National Institutes of Health

Office of Financial Management

Royalties Semiannual Report -- Payments due to Inventors by IC -- Period ending: March 2023

CC	**$28,244.28**
Franaszek, Marek	(b) (3) (A), (b) (4), (b) (6)
Gladwin, Mark T.	
Huang, Hui-Yang	
Iordanescu, Gheorghe	
Jerebko, Anna K	
Jin, Jianjian	
Kwak, Jin Tae	
Lay, Nathan Stephan	
(b) (4)	
Reinhard Roth, Holger	
Roy, David	
Sabatino, Marianna V.	
Stroncek, David F.	
Summers, Ronald	
Tsehay, Yohannes Kebede	
Turkbey, Evrim	
Wood, Bradford J	
Xu, Sheng	
Yao, Jianhua	
CDC	**$222,597.75**
Ades, Edwin W.	(b) (3) (A), (b) (4), (b) (6)
Aloisio, Carol H.	
Anderson, Burt E.	
Anderson, Larry J.	
Bagarozzi, Dennis Anthony	
Barclay, Leslie	
Bellini, William J.	
Bishop, Henry	
Black, Charlotte M.	

Black, Glenn L	(b) (3) (A), (b) (4), (b) (6)
Black, Jodi B.	
Bobick, Thomas G.	
Boyer, Anne E.	
Brand, Joy A.	
Burns, Cara C.	
Butera, Salvatore T.	
Campagnolie, Raymond (Ray) P.	
Candal, Francisco (Paco) J.	
Cantis, Douglas M.	
Carlone, George M.	
Castro, Arnold R.	
CDC	$900.00
Chang, Gwong-Jen J.	(b) (3) (A), (b) (4), (b) (6)
Chhabra, Preeti	
Cox, Nancy J.	
Damon, Inger K.	
Davis, Brent S.	
Davis, Marianne L	
Dawson, Jacqueline E.	
Devos, Joshua R.	
Diwakar, Prasson	
Donis, Ruben O.	
Donlan, Rodney M.	
Edgell, Herbert D.	
Erdman, Dean D.	
Esposito, Joseph J.	
Esswein, Eric J.	
Fields, Patricia	
Flemister, Mary	
Folks, Thomas M	
Freeman, Charlotte	
Galland, Gale G.	
Garcia Lerma, Jose Gerardo	

Gasebom, Shane Dallas	(b) (3) (A), (b) (4), (b) (6)
Gentsch, Jon R.	
George, Robert W.	
Glass, Roger I.	
Goldstein, Jason Marc	
Granade, Timothy C.	
Gregoricus, Nicole	
Guo, Zhu	
Hanlon, Cathleen	
Harmon, Maurice	
Hart, John C.	
Heneine, Walid M.	
Hierholzer, John C.	
Hummer, Jon	
Janssen, Robert	
Jiang, Baoming	
Katz, Jacqueline M.	
Kendal, Alan P.	
Kennedy, Eugene R.	
Kew, Olen M.	
Kinney, Claire Huang	
Kirby, Wayne	
Klimov, Alexander I.	
Konopka-Anstadt, Jennifer Lynn	
Kulkarni, Pramod	
Leaumont, Collette F.	
Lewis, Daniel M.	
Lindstrom, Stephen	
Loftin, Lamorris	
Lopez, Carlos	
Maddison, Shirley E.	
Maher, Kaija	
Marchetti, George	
McDougal, Steve	

McKenzie, Eugene A.
McQuiston, John R.
Moore, Deborah D.
Munoz-Jordan, Jorge L.
Murga, Ricardo
Murphy, William J.
O'Connor, Steven
Olson, Victoria Ann
Otten, Ronald
Pallansch, Mark A.
Panayampalli, Subbian Satheshkum
Parekh, Bharat S.
Patton, Joanne L
Pau, Chou-Pong
Pellett, Philip E.
Peret, Teresa C.
Perez, Victor L.
Phillips, Donald
Pitts, Richard Lee
Quay, Jacueline
Quinn, Conrad P.
Raudabaugh, William M.
Reimer, Charles B.
Robertson, Shirley
Roehrig, John T.
Roumillat, Luna Floretta
Rupprecht, Charles E.
Russell, Harold
Saluzzo, Jean-Francois
Sammons, Deborah L.
Sampson, Jacquelyn S.
Sanchez, Anthony
Santiago, Gilberto
Schantz, Peter M.

(b) (3) (A), (b) (4), (b) (6)

Schmechel, Detlef	(b) (3) (A), (b) (4), (b) (6)
Shaw, Jing	
Smith, Jean S.	
Smith, Jerome P.	
Snawder, John E.	
Snyder, Jay L.	
Stephenson, Mark R.	
Stevens, James	
Stockdale, Carol	
Striley, Cynthia A.	
Summer, John	
Tharpe, Jean A.	
Thibodeaux, Brett A.	
Townsend, Michael	
Tsang, Victor C.	
Tsou, Cecelia	
Vergne, Edgardo	
Vincent, Annelet S	
Vinje, Jan	
Volkwein, Jon C.	
Wagar, Nicholas	
Walls, Harriet	
Wang, Yuhuan	
Wang, Zhongde	
Wei, Xierong	
Wells, Thomas	
Wilson, Jason Ray	
Wilson, Marianna	
Wood, Gerry O.	
Wu, Xianfu	
Yager, Pamela	
Yamamoto, Masahiro	
Yang, Chunfu (Dustin)	
Yang, Hua	

Yang, Yong	(b) (3) (A), (b) (4), (b) (6)
York, Ian Arthur	
Zhou, Zhiyong	
CIT	**$1,394.65**
Cheng, Ruida	(b) (3) (A), (b) (4), (b) (6)
Malley, James	
McAuliffe, Matthew	
Wagner, Lynne M	
FDA	**$29,686.71**
Donnelly, Raymond P.	(b) (3) (A), (b) (4), (b) (6)
Falgout, Barry	
Markoff, Lewis	
NCATS	**$172,749.45**
Alimardanov, Asaf R	(b) (3) (A), (b) (4), (b) (6)
Auld, Douglas S.	
Austin, Christopher P.	
Bantukallu, Ganesha Rai	
Behnke, Mark L.	
Boxer, Matthew	
Brimacombe, Kyle R.	
Chen, Yu	
Deng, Tao	
Grewal, Gurmit S	
Hall, Matthew D.	
Hu, Xin	
Huang, Junfeng	
Huang, Wenwei	
Huang, Xiuli	
Inglese, James	
Jadhav, Ajit P.	
Jang, Sung-Wook	
Jiang, Jian-kang	
Jovanovic, Vukasin	
Kouznetsova, Jennifer Lynn	

Lee, Arthur	(b) (3) (A), (b) (4), (b) (6)
Liu, Ke	
Maloney, David	
Marugan, Juan J.	
McKew, John C.	
Mott, Bryan T.	
Patel, Paresma Rasiklal	
Sanderson, Philip Edward	
Shamim, Khalida	
Shen, Min	
Simeonov, Anton	
Singec, Ilyas	
Skoumbourdis, Amanda P.	
Southall, Noel T.	
Svaren, John	
Swaroop, Manju	
Tawa, Gregory	
Thomas, Craig J.	
Urban, Daniel	
Xiao, Jingbo	
Xu, Miao	
Xu, Xin	
Yang, Shyh-Ming	
Zheng, Wei	
NCI	**$4,537,442.94**
Aaronson, Stuart A.	(b) (3) (A), (b) (4), (b) (6)
Abrams, Scott I	
Acquavella, Nicolas	
Adhya, Sankar Lal	
Alewine, Christine	
Alimandi, Maurizio	
Allegra, Carmen	
Aloia, Amanda	
Altan-Bonnet, Gregoire	

Antignani, Antonella
Aplan, Peter D.
Austin, Faye C.
Azimi, Nazli
Balagopalan, Lakshmi
Barry, Todd
Baskar, Sivasubramanian
Benter, Thomas
Bergman, Knickole
Bernardo, Marcelino L. (b) (6)
Berzofsky, Jay A.
Beyer, Rachel K. B.
Bonner, William M
Bonomi, Carrie A.
Borgel, Suzanne D.
(b) (4)
Boyd, Michael R.
Brinkmann, Ulrich
Brognard, John
Buck, Christopher
Bustin, Michael
Cafri, Gal
Caplen, Natasha
Cappell, Steven David
(b) (4)
Chabner, Bruce A
Chang, Kai
Chang, Nancy T.
Chatterjee, Deb K
Chen, Weizao
Cheng, Sheue-Yann
Chien, Christopher
Choyke, Peter L
Colcher, David

(b) (3) (A), (b) (4), (b) (6)

Collins, Norman Keith
Columbus, John Milton
Conrads, Thomas P
Copeland, Amy
Copeland, Neal
Costantino, Nina
Court, Donald
Cowan, Kenneth H.
Crowl, Robert
(b) (4)
(b) (4)
Deniger, Drew
Dimitrov, Dimiter S.
Doroshow, James H.
Dougherty, Kelly
Dubois, Sigrid
Dudley, Mark
Eil, Robert Langland
Ellis, Hilary Moyed
Ellmore, Nelson
Esposito, Dominic
(b) (6) Donald J. Giard
Felber, Barbara K.
Feldman, Steven A
Feng, Mingqian
Finch, Paul W.
Fisher, Amanda G.
Fitzgerald, David J.
Fitzgerald, Peter C.
Fleming, Bryan
Fornace, Albert J.
Fowler, Daniel
Franchini, Genoveffa
Fry, Terry

(b) (3) (A), (b) (4), (b) (6)

Funk, Amy	(b) (3) (A), (b) (4), (b) (6)
Gallo, Robert C.	
Gao, Wei	
Garges, Susan	
Gartner, Jared	
Gartner, Suzanne	
Gattinoni, Luca	
Gaur, Sonia Sonalee	
Gazdar, (b) (6) Adi	
Gelboin, (b) (6) Harry	
(b) (4)	
Giardina, Steven	
Gillette, William K.	
Goldman, Carolyn	
Gonzalez, Frank J.	
Good, Meghan	
Gottesman, Michael M.	
Greer, Matthew D.	
Gress, Ronald E.	
Gritz, Linda R.	
Gros, Alena	
Grose, Carissa L.	
Guerin, Theresa	
Hahn, Beatrice	
Hamilton, Thomas C	
Hanada, Kenichi	
Hand, Patricia H.	
Harmon, Stephanie Anne	
(b) (4)	
Haso, Waleed	
Hassan, Raffit	
Hathcock, Karen	
Hinrichs, Christian S.	
Ho, Eric Chun Hei	

Ho, Mitchell
Hodes, Richard J
Hodge, James W.
Holderfield, Matthew T.
Hollingshead, Melinda G.
Hopkins, Ralph F.
Hwu, Patrick
(b) (4)
Ise, Tomoko
Islam, S M Rafiqul
Issaq, Haleem J.
Jainchill, John L.
Jakubczak, John L.
Janini, George
Jelev, Dontcho
Jelinek, Ivett
Jenkins Copeland, Nancy A
Jensen, Roy A.
Jiang, Guojian
Jin, Benjamin Yongzu
Johnson, Bruce E
Johnston, (b) (6) Patrick G.
Jung, Sun-Hee
Jung, Unsu
Kaczmarczyk, Stanislaw
Kalyanaraman, Vaniambadi S.
Kantor, Judith A.
Katerji, Meghri
Kawakami, Yutaka
Kaye, Frederic J
Khleif, Samir N.
Kilbourne, Jennifer Mariner
Kim, Heungnam
Kim, Jung-Hwan

(b) (3) (A), (b) (4), (b) (6)

Kim, Sanghyun
King, Charles R.
Kirnbauer, Reinhard
Kishton, Rigel Joseph
Klemen, Nicholas Donald
Kobayashi, Hisataka
Kochenderfer, James N
Kouprina, Natalay Y
Kozlov, Andrei P.
Kozlov, Serguei
Kraus, (b) (6) Matthias
Krishna, Sri
Lacal, Juan C.
Lam, Norris
Lantz, Valerie A
Lapointe, Rejean
Larionov, Vladmir L
LaRochelle, William
Laszlo, Gloria
Lee, Byungkook
Lee, E-Chiang
Lee, Joo Sang
Lee, Sang J.
Levin, Noam
Li, Dan
Li, Nan
Liang, Chi-Ming
Lin, Ying-Wei
Liotta, Lance
Liu, Pentao
Lo, Winifred Margaret
Longo, Dan L
Lorenzi, Philipp
Lori, Franco C.

(b) (3) (A), (b) (4), (b) (6)

(b) (3) (A), (b) (4), (b) (6)

Lowery, Frank
Lowy, Douglas R.
Lu, Yong-Chen
Mackall, Crystal L
Maeda, Takuya
Makrigiannis, Andrew P.
Malekzadeh, Parisa
Markham, Phillip D.
Mason, Llewellyn H.
Matsui, Toshimitsu
Mazzara, Gail P.
McIntire, Katherine
McMahon, James
Merlino, Glenn T.
Mertan, Francesca
Minna, John D.
Mitsunaga, Makoto
Moore, William J.
Morgan, Richard A.
Mori, Toshiyuki
Muchmore, Brian P.
Nagata, Satoshi
Navas, Mario Antonio
Neckers, Leonard
Noskov, Vladimir
Nuti, Marianna
Nyswaner, Katherine
O'Brien, Thomas R
O'Keefe, Barry
O'Sullivan, Theresa
Oberdoerffer, Phillip
Oh, SangKon
Oie, (b) (6) Herbert K
Onda, Masanori

Orentas, Rimas J.	(b) (3) (A), (b) (4), (b) (6)
Ortaldo, John R.	
Ozols, Robert F	
Palena, Claudia	
Palmer, Douglas	
Panicali, Dennis L.	
Parchment, Ralph E.	
Paria, Biman	
Parkhurst, Maria	
Parks, Wade P.	
Pasetto, Anna	
Pass, Harvey I	
Pastan, Ira H.	
Pastrana, Diana V	
Patel, Shashankkumar	
Pavlakis, George N	
Pfister, Thomas D.	
Phung, Yen T.	
Pierce, Jacalyn H.	
Pinto, Peter A	
Ponraj, Prabakaran	
Popovic, Mikulas	
Porter-Gill, Patricia A.	
Prokunina-Olsson, Ludmila	
Qasba, Pradman	
Qin, Haiying	
Rader, Christoph	
Ramakrishna, Sneha	
Ramakrishnan, Boopathy	
RAY, UPASANA	
Reddy, E. Premkumar.	
Rein, Alan	
Reitz, Jr., Marvin S.	
Restifo, Nicholas P.	

Robbins, Keith	(b) (3) (A), (b) (4), (b) (6)
Robbins, Paul F	
Roberson, Brenda D.	
Roberts, Veronica Ann	
Roden, Richard B.	
Rogakou, Efthimia P.	
Roop, Dennis R.	
Rosenberg, Steven A.	
Rosenwald, Andreas	
Roy, Krishnendu K.	
Rubin, Jeffrey S	
Ruppin, Eytan	
Sadaie, Mohammad Reza	
Salahuddin, Syed Z.	
Salazar, Maria Elena	
Samelson, Lawrence	
Sarngadharan, Mangalasseril	
Sarnovsky, Robert	
Sato, Kazuhide	
Sato, Noriko	
Sausville, Edward	
Schiller, John T	
Schlom, Jeffrey	
Schlomer, Jerome J	
Segal, David M.	
Shah, Nirali	
Sharan, Shyam K.	
Shaw, George M	
Slape, Christopher I.	
Snader, Kenneth M	
Somerville, Robert P.	
Soppet, Dan	
Spiese, Paul J	
Srivastava, Apurva	

Staudt, Louis M
Steeg, Patricia S.
Steinert, (b) (6) Peter M.
Stephens, Robert M.
Stevanovic, Sanja
Swaminathan, Srividya
Tamaoki, Naritaka
Terabe, Masaki
Todaro, George J.
Topalian, Suzanne L.
Tran, Eric
Tsang, Kwong-Yok
Turbyville, Thomas Jefferson
Turkbey, Ismail B.
Ueda, Kazumitsu
(b) (4)
Uren, Aykut
Valentin, Antonio L.
Varesio, Luigi
Veenstra, Timothy D
Vishnuvajjala, B. Rao
Vizcardo Sakoda, Raul Eduardo
Vodnala, Suman Kumar
Wakefield, Lalage M
Waldmann, Thomas A.
Wang, Ling-Mei
Wang, Qiong
Wang, Rong-fu
Wang, Yan
Warming, Soren
Weinstein, John N.
Wiestner, Adrian
Wilkens, Kenneth L.
Willingham, Mark C.

(b) (3) (A), (b) (4), (b) (6)

Wilson, Wyndham H.	(b) (3) (A), (b) (4), (b) (6)
Wong-Staal (b) (6)	
Wood, Lauren V.	
Wu, Yongzhong	
Wunderlich, John	
Xiang, Laiman	
Xiao, Xiaodong	
Yang, James Chung-Yin	
Yang, Jiahui	
Yang, Yu-an	
Yao, Xin	
Yi, Chang K.	
Yim, Sun Hee	
Ying, Tianlei	
Yoseph, Rami	
Yoshimura, Teizo	
Yu, Daiguan	
Yu, Zhiya	
Yuspa, Stuart H.	
Zacharakis, Nikolaos	
Zaremba, Sam	
Zhang, Ling	
Zhang, Xianyu	
Zhang, Yifan	
Zhang, ZhenHua	
Zhao, Chihao	
Zheng, Zhili	
Zhu, Shigui	
Zhu, Zhongyu	
NEI	**$609,992.49**
Amaral, Juan A.	(b) (3) (A), (b) (4), (b) (6)
Bharti, Kapil	
Bunce, George E.	
Charles, Steven Thomas	

Colosi, Peter C.	(b) (3) (A), (b) (4), (b) (6)
Davis, (b) (6) Janine A	
Ferris III, Frederick L.	
Gentleman, Susan B.	
Hotaling, Nathan	
Khristov, Vladimir R.	
Kinoshita, (b) (6) Jin H	
Li, Tiansen	
Maminishkis, Arvydas	
NIST	
Redmond, Thomas M.	
Smith, James Cecil	
Swaroop, Anand	
Wei, Lisa Lining	
Wiley, Henry Ernest	
NHGRI	**$52,409.15**
Chandler, Randy J.	(b) (3) (A), (b) (4), (b) (6)
Collins, Francis S	
Erdos, Michael R.	
Eriksson, Maria	
Gahl, WIlliam A.	
Gispert-Sanchez, Suzana	
Huizing, Marjan	
Klootwijk, Enriko D.	
Manoli, Eirini	
Mijares, Lilia A.	
Nussbaum, Robert L.	
Schneller, Jessica L.	
Segre, Julia A.	
Smith, Stephanie N.	
Varga, Renee	
Venditti, Charles P.	
NHLBI	**$356,474.87**
Adelstein, Robert	(b) (3) (A), (b) (4), (b) (6)

Amar, Marcelo A.	(b) (3) (A), (b) (4), (b) (6)
(b) (4)	
Boehm, Manfred	
Cannon, Richard O.	
Cecchini, Sylvain	
Chen, Guibin	
Cherkasova, Elena A.	
Childs, Richard W.	
Combs, Christian A.	
Derbyshire, John Andrew	
Ding, Chuan-Tian	
Finkel, Toren	
Fitzhugh, Courtney	
Gladwin, Mark T.	
Hansen, Michael S.	
Hitko, Carolyn Woodroofe	
Hsieh, Matthew M.	
Hunter, Christian J	
Igarashi, Takehito	
(b) (4)	
Kelley, Christine A	
Kellman, Peter	
Kotin, Robert M.	
Larochelle, Andre	
Leonard, Alexis	
Leonard, Warren J.	
Li, Lina	
Lindberg, Eric Jorgen	
(b) (4)	
McVeigh, Elliott R	
Mitra, Suman	
Nezafat, Reza	

Nirenberg, (b) (6) Marshall	(b) (3) (A), (b) (4), (b) (6)
Remaley, Alan T.	
Sabbasani, Venkatareddy	
Smith, Richard H.	
Sviridov, Denis O.	
Swenson, Rolf Eric	
Tisdale, John	
(b) (4)	
Urabe, Masashi	
(b) (4)	
Walsh, Frank	
Wolska, Anna	
Wynberg, Jason B.	
Xue, Hui	
NIA	**$18,734.11**
Bagrov, Alexei	(b) (3) (A), (b) (4), (b) (6)
Falco, Geppino	
Fedorova, Olga V.	
Ferrucci, Luigi	
Greig, Nigel H	
Hodes, Richard J	
Kim, Dong Seok	
Ko, Minoru S.	
Lakatta, Edward G.	
Lee, Sung-Lim	
Li, Yazhou	
Matarin Jimenez, Maria del Mar	
Monti, Manuela	
Sharova, Lioudmila V.	
Shin, Soojung	
Singleton, Andrew B.	
Stanghellini, Ilaria	
Zalzman, Michal	
NIAAA	

Cinar, Resat	(b) (3) (A), (b) (4), (b) (6)
Iyer, Malliga R.	
Kunos, George I	
NIAID	**$342,415,745.28**
Abisola Abiona, Olubukola Mary	(b) (3) (A), (b) (4), (b) (6)
Adachi, Akio	
Akahata, Wataru	
Akin, Cem	
Andrews, Sarah Faith	
Asiedu, Clement K.	
Bailer, Robert Thomas	
Barry, Clifton E	
Baxa, Ulrich	
Bennink, Jack R.	
Bennuru, Sasisekhar	
Bermingham, Alison	
Biacchesi, Stephanie	
Blaney Jr., Joseph E.	
Board, Nathan	
Boyington, Jeffrey C.	
Boyoglu-Barnum, Seyhan	
Bray, Michael	
Brock, Linda G.	
Broder, Christopher	
Bu, Wei	
Buchholz, Ursula	
Bukreyev, Alexander	
Caldwell, Harlan D.	
Carey, Elizabeth	
Chakrabarti, Bimal K.	
Chanock, (b) (6) Robert	
Chen, Lei	
Chen, Man	
Chen, Mingzong	

Chen, Peifeng
Chen, Zhao Chun
Cheng, Cheng
Chesebro, Bruce
Cheung, Yiu Chong Gordon
Chuang, Gwo-Yu
Cohen, Jeffrey I.
Collins, Peter L.
Connors, Mark
Conrad, John T.
Corbett, Kizzmekia
Cox, Edward M.
Cox, Josephine H
(b) (4)
Davey, Richard T.
David, Alexandre
DeVico, Angela M.
DiNapoli, Joshua M.
Doms, Robert W.
Dowdell, Kennichl C.
Druz, Aliaksandr A.
Earl, Patricia L.
Eckels, Kenneth H
Eisenbarth, (b) (6) George
Emerson, Suzanne U.
Fauci, Anthony
Fink, Doran
Flynn, Barbara J.
Folks, Thomas M
Francica, Joseph Richard
Fuerst, Thomas R.
Garboczi, David
Gautam, Rajeev
Georgiev, Ivelin S.

(b) (3) (A), (b) (4), (b) (6)

(b) (3) (A), (b) (4), (b) (6)

Germain, Ronald N.
Gerner, Michael Y
Ghosh, Mridul K.
Gillespie, Rebecca Aileen
Gorman, Jason
Graham, Barney
Green, Lisbeth Kim
Gupta, Pradeep K.
Hanley, Kathryn
Harriman, Gregory R.
Haynes, Barton F.
Hirsch, Vanessa M.
Horwitz, Joseph
Hoshino, Yasutaka
Hsu, Su-Cheng Dana
Hu, Haijing
Huang, Jinghe
Huang, Yue
(b) (4)
Hutchinson, Geoffrey Bain
Idris, Azza Hussein
(b) (4)
Ishida, Elise H.
Ishizuka, Andrew S
Jahrling, Peter B.
Jeang, (b) (6) Kuan-Teh
Johnson, Reed F.
Joyce, Michael G.
Kanekiyo, Masaru
Kang, Byong Ha
Kapikian, (b) (6) Albert Z
Kirshenbaum, Arnold
Kisalu, Neville Kielau
Kong, Wing-pui

Korty, Patricia E.	(b) (3) (A), (b) (4), (b) (6)
Kubofcik, Joseph	
Kunimoto, Dennis Y.	
Kwon, Young Do	
Kwong, Peter D.	
Lai, Ching-Juh	
Lantz, Larry	
Le Nouen, Cyril J.	
Ledgerwood, Julie	
Lee, Richard E.	
Leonard, John M.	
Leppla, Stephen H.	
Leysath, Clinton E.	
Li, Weizhe	
Liang, Bo	
Lobos Lazzeri, M Edgard S	
Long, Eric O.	
Lugli, Enrico	
Lujan, Hugo D	
Luongo, Cindy L.	
Mackett, Michael	
Mangalampalli, Venkata R.	
Marques, Adriana	
Martin, Malcolm A	
Mascola, John R.	
McCarty, Thomas Charles	
McDermott, Adrian B.	
Mchugh, Rebecca S	
McLellan, Jason Scott	
McTamney, Patrick	
Men, Ruhe	
Merritt, Joshua S.	
Metcalfe, Dean D	
Moayeri, Mahtab	

Moin, Syed M.
Morrison, Richard P.
Morse III, Herbert
Moss, Bernard
Mowatt, Michael
Mulangu, Sabue
Munir, Shirin
Murphy, Brian R.
Muyembe, Jean-Jacques Tamfum
Nabel, Gary J.
Nagy, Attila
Nash, Theodore
(b) (4)
Nguyen, Hanh T.
Nishimura, Yoshiaki
Nutman, Thomas B.
Nutt, Anne S.
OFEK, GILAD A
Ohara, Junichi
Ou, Li
Pancera, Marie L.
Paragas, Jason J.
Paul, (b) (6) William E.
Pegu, Amarendra
Pesnicak, Lesley M
Phillips, Damilola D.
Pletnev, Alexander G
Pomerantsev, Andrei P
Porgador, Angel
Powell, Douglas M
Purcell, Robert H.
Rabson, Arnold B.
Rajagopalan, Sumati
Rao, Srinivas

(b) (3) (A), (b) (4), (b) (6)

(b) (3) (A), (b) (4), (b) (6)

Ren, Qiuyin
Roederer, Mario
(b) (4)
Rudicell, Rebecca S.
Rundlet, Emily J
(b) (4)
Rutledge, Rosamond A.
Sadjadpour, Reza
Sastry, Mallika
Schwartz, Richard M.
Seder, Robert
Shevach, Ethan M
Shi, Wei
Shingai, Masashi
Shukla Bajpai, Priyanka
Siebenlist, Ulrich
Skiadopoulos, Mario
Slayden, Richard A
Smith, Geoffrey L
Sosnovtsev, Stanislav V
Soto, Cinque
Srivatsan, Sanjay R.
Stanley, Daphne Amanda
Stephens, Geoffrey L.
Stewart-Jones, Guillaume B. E.
Strober, Warren
Sullivan, Nancy J.
Sun, Peter D
(b) (4)
Theodore, (b) (6) Theodore S
(b) (4)
Thomas, Paul V.
Torian, Udana M

Tsybovsky, Yaroslav	(b) (3) (A), (b) (4), (b) (6)
United States Army	
(b) (4)	
Van Galen, Joseph	
Vistein, Rachel Marie	
Wang, Lawrence Tsuchun	
Wang, Lingshu	
Ward, Lucy A.	
Wehrly, Kathryn	
Wei, Chih-Jen	
Wheatley, Adam Kenneth	
Whitehead, Stephen S.	
Whittle, James R R	
Willey, Ronald L.	
Wu, Xueling	
Wyatt, Linda S.	
Wycuff, Diane L.	
(b) (4)	
YANG, YONGPING	
Yang, Zhi-Yong	
Yassine, Hadi M.	
Yewdell, Jonathan W.	
Zhang, Baoshan	
Zhang, Yi	
Zhang, Yi-Ming	
Zheng, Anqi	
Zhou, Tongqing	
Zhu, Jiang	
Zhu, Yaling	
Zou, Zhongcheng	
NIAMS	**$18,566.22**
Chu, Emily Yin	(b) (3) (A), (b) (4), (b) (6)
Foster, Brian Lee	
Kinet, Jean-Pierre	

Kong, Heidi H.	(b) (3) (A), (b) (4), (b) (6)
Meylan, Francoise	
Nociti, Jr., Francisco H.	
Plotz, Paul H.	
Raben, Nina	
Rao, Mahendra S	
Siegel, Richard	
Somerman, Martha J	
Song, Yun-Jeong	
Thumbigere-Math, Vivek	
(b) (4)	
NIBIB	**$37,964.10**
Chen, Xiaoyuan	(b) (3) (A), (b) (4), (b) (6)
Parekh, Sapun	
Shroff, Hari	
Weiss, Orit Jacobson	
York, Andrew G.	
NICHD	**$140,737.18**
Basser, Peter J	(b) (3) (A), (b) (4), (b) (6)
Blithe, Diana L.	
Bridson, William E.	
Buonanno, Andres	
Chou, Janice Yang	
Chumakov, Ekaterina	
Deligiannidis, Kristina M Galarneau	
Dey, Anup K	
Dressler, Gregory R.	
Forlino, Antonella	
Gandjbakhche, Amir H	
(b) (4)	
Hertz, Roy	
Horkay, Ferenc	
Huang, Freesia	
Huang, Kuo-Ping	

Kaler, Stephen G.	(b) (3) (A), (b) (4), (b) (6)
Karavanov, Irina	
Kingfield, Joyce G.	
Klein, David C.	
Kohler, Peter O	
(b) (4)	
Marini, Joan Carol	
McDonald, John	
Moffett, John R	
Namboodiri, Aryan M	
Nieman, Lynnette K.	
Ozato Dawid, Keiko	
Pierpaoli, Carlo	
Riley, Jason D.	
Roseboom, Patrick	
Vullhorst, Detlef	
Weller, Joan	
Westphal, Heinrich	
Woodgate, Roger	
NIDA	**$14,573.75**
Backman, Cristina M	(b) (3) (A), (b) (4), (b) (6)
Rice, Kenner C.	
Tomac, Andreas C	
Wise, Roy A	
Zangen, Abraham	
NIDCD	**$5,990.94**
Bush, Ronald Avery	(b) (3) (A), (b) (4), (b) (6)
Canseco De Kalinec, Gilda Mabel	
Chen, Zhong	
Cheng, Hui	
Griffith, Andrew J.	
Kalinec, Federico	
Labay, Valentina	
Makishima, Tomoko	

Montcouquiol, Mireille	(b) (3) (A), (b) (4), (b) (6)
Saleh, Anthony	
Selbie, W. Scott	
Sieving, Paul Albert	
Song, Hongman	
Van Waes, Carter	
Zeng, Yong	
NIDCR	**$27,407.90**
Akiyama, Steven	(b) (3) (A), (b) (4), (b) (6)
Burbelo, Peter D.	
Chiorini, John A.	
Elkin, Michael	
Fisher, Larry	
Iadarola, Michael J.	
Kaludov, Nikola	
Kleinman, Hynda	
Leppla, Stephen H.	
Park, Sukjoon	
Philp, Deborah	
Quinn, Conrad P.	
Singh, Yogendra	
Siraganian, Reuben	
Yamada, Kenneth	
Yamada, Susan Sleeper	
NIDDK	**$39,912.35**
Deng, Chuxia	(b) (3) (A), (b) (4), (b) (6)
Ge, Kai	
Goldsmith, Paul K	
Jacobson, Kenneth A	
Lee, Ji-Eun	
Oral, Elif A.	
Phue, Je-Nie	
Proia, Richard L	
Rane, Sushil Gopal	

Rehermann, Barbara	(b) (3) (A), (b) (4), (b) (6)
Rosshart, Stephan Patrick	
Schechter, Alan N.	
Shiloach, Joseph	
Spiegel, Allen M.	
Taylor, Simeon	
Tosh, Dilip K.	
NIEHS	**$15,651.24**
(b) (4)	(b) (3) (A), (b) (4), (b) (6)
Baek, Seung Joon	
Beckley, Amy J.	
Cidlowski, John A.	
Ehrenshaft, Marilyn I	
Eling, Thomas E.	
Mason, Ronald P.	
Moore, Rickie	
Negishi, Masahiko	
Oakley, Robert	
NIMH	**$132,578.33**
Bonner, Tom I	(b) (3) (A), (b) (4), (b) (6)
Brownstein, Michael J.	
Cohen, Robert M.	
Dold, George R.	
Drevets, Wayne C	
Eiden, Maribeth V.	
Furey, Maura L.	
Ginns, Edward I.	
LaMarca, (b) (6) Mary	
Lee, Heon-Jin	
Mahan, Lawrence C.	
Manji, Husseini K.	
Matsuda, Lisa A.	
Morgan, Newlin T.	
Swedo, Susan E.	

(b) (3) (A), (b) (4), (b) (6)

Wilson, Carolyn A.
Ye, Daniel
Young III, Walter Scott
Zarate, Carlos A.

NINDS

Amyot, Franck
Badger II, John D.
Bharti, Kapil
Blackstone, Craig D.
Brann, (b) (6) Mark R
Dias Da Mota Vieira, Marta Isabel
Dobersen, Michael J
Gainer, Harold
Hallett, Mark
Hamblin, Mark
Hammer, Jeffrey A.
Hou, Jean
Hsu, Yi-Te
Humbert, Ianessa A.
Jin, Seok-Min
Lee, Myoung Hwa
Li, Wenxue
Lowell, Soren Y
Ludlow, Christy L.
Major, Eugene O
McVittie, Loris D.
Messam, Conrad A.
Miranda, Pedro
Monsma, Jr., Frederick J.
Nath, Avindra
Nguyen, Thien Anh
Noronha, Antonio B
Oldfield, (b) (6) Edward H.
Pluta, Ryszard M

Poletto, Christopher J.
Quarles, (b) (6) Richard H.
Roche, Katherine W.
Roth, Yiftach
Sibley, David R.
Steiner, Joseph Perry
Stormann, Thomas M.
Warach, Steven J.
Wasserman, Eric M.
Youle, Richard J.
Zhu, Peng-Peng

NINR

Barr, Taura L.
(b) (4)

(b) (3) (A), (b) (4), (b) (6)

NIH Patent Licensing Activities
CC
October 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total October Income	License Cumulative Income	Inventor Awards October	Net Remaining to IC
L-107-2015/3	Jin, Jianjian	(b) (4), (b) (6)	Iovance Biotherapeutics. Inc.	17-Oct-22						(b) (3) (A), (b) (4), (b) (6)
L-107-2015/3	Sabatino, Marianna V.		Iovance Biotherapeutics. Inc.	17-Oct-22						
L-107-2015/3	Stroncek, David F.		Iovance Biotherapeutics. Inc.	17-Oct-22						
Note: L-107-2015/3 split between CC; NCI										
L-107-2015/3	CC		Iovance Biotherapeutics. Inc.	17-Oct-22						
Note: L-107-2015/3 split between CC; NCI										

NIH Patent Licensing Activities
CC
November 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total November Income	License Cumulative Income	Inventor Awards November	Net Remaining to IC
L-143-2007/2	Gladwin, Mark T.	(b) (4), (b) (6)	Hope Pharmaceuticals	15-Nov-22						(b) (3) (A), (b) (4), (b) (6)
Note: L-143-2007/2 split between CC; NHLBI; NIDDK										
L-159-2007/2	Gladwin, Mark T.	(b) (4),	Hope Pharmaceuticals	15-Nov-22						
Note: L-159-2007/2 split between CC; NHLBI; NIDDK; NINDS										
L-145-2019/0	Gladwin, Mark T.	(b) (4), (b) (6)	Globin Solutions, Inc	23-Nov-22						
Note: L-145-2019/0 split between CC; NHLBI; NIDDK; NINDS										

NIH Patent Licensing Activities
CC
December 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total December Income	License Cumulative Income	Inventor Awards December	Net Remaining to IC
L-047-2021/0	Turkbey, Evrim	(b) (4), (b) (6)	Canon Medical Systems USA, Inc.	22-Dec-22						(b) (3) (A), (b) (4), (b) (6)
L-047-2021/0	Wood, Bradford J		Canon Medical Systems USA, Inc.	22-Dec-22						
L-047-2021/0	Xu, Sheng		Canon Medical Systems USA, Inc.	22-Dec-22						
Note: L-047-2021/0 split between CC; NCI										

NIH Patent Licensing Activities
CC
January 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total January Income	License Cumulative Income	Inventor Awards January	Net Remaining to IC

(b) (3) (A), (b) (4), (b) (6)

L-111-2006/0	Franaszek, Marek	(b) (4), (b) (6)	ICAD Inc	12-Jan-23
L-111-2006/0	Huang, Hui-Yang		ICAD Inc	12-Jan-23
L-111-2006/0	Iordanescu, Gheorghe		ICAD Inc	12-Jan-23
L-111-2006/0	Jerebko, Anna K		ICAD Inc	12-Jan-23
L-111-2006/0	(b) (4)		ICAD Inc	12-Jan-23
L-111-2006/0	Roy, David		ICAD Inc	12-Jan-23
L-111-2006/0	Summers, Ronald		ICAD Inc	12-Jan-23
L-111-2006/0	Yao, Jianhua		ICAD Inc	12-Jan-23
Note: L-111-2006/0 split between CC; CIT; NIDCD				
L-107-2015/3	Jin, Jianjian		Iovance Biotherapeutics. Inc.	18-Jan-23
L-107-2015/3	Sabatino, Marianna V.		Iovance Biotherapeutics. Inc.	18-Jan-23
L-107-2015/3	Stroncek, David F.		Iovance Biotherapeutics. Inc.	18-Jan-23
Note: L-107-2015/3 split between CC; NCI				

NIH Patent Licensing Activities
CC
February 2023

(b) (3) (A), (b) (4), (b) (6)

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total February Income	License Cumulative Income	Inventor Awards February	Net Remaining to IC
L-028-2018/1	Lay, Nathan Stephan	(b) (4), (b) (6)	Scanmed LLC	13-Feb-23						
L-028-2018/1	Reinhard Roth, Holger		Scanmed LLC	13-Feb-23						
L-028-2018/1	Summers, Ronald		Scanmed LLC	13-Feb-23						
L-028-2018/1	Tsehay, Yohannes Kebede		Scanmed LLC	13-Feb-23						
Note: L-028-2018/1 split between CC; CIT; NCI										
L-107-2015/3	Jin, Jianjian		Iovance Biotherapeutics. Inc.	16-Feb-23						
L-107-2015/3	Sabatino, Marianna V.		Iovance Biotherapeutics. Inc.	16-Feb-23						
L-107-2015/3	Stroncek, David F.		Iovance Biotherapeutics. Inc.	16-Feb-23						
Note: L-107-2015/3 split between CC; NCI										

NIH Patent Licensing Activities
CC
March 2023

(b) (3) (A), (b) (4), (b) (6)

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total March Income	License Cumulative Income	Inventor Awards March	Net Remaining to IC
L-122-2017/0	Kwak, Jin Tae	(b) (4), (b) (6)	Koninklijke Philips N.V.	1-Mar-23						
L-122-2017/0	Summers, Ronald		Koninklijke Philips N.V.	1-Mar-23						
L-122-2017/0	Wood, Bradford J		Koninklijke Philips N.V.	1-Mar-23						
L-122-2017/0	Xu, Sheng		Koninklijke Philips N.V.	1-Mar-23						
Note: L-122-2017/0 split between CC; NCI										
L-028-2018/1	Lay, Nathan Stephan		Scanmed LLC	21-Mar-23						
L-028-2018/1	Reinhard Roth, Holger		Scanmed LLC	21-Mar-23						
L-028-2018/1	Summers, Ronald		Scanmed LLC	21-Mar-23						
L-028-2018/1	Tsehay, Yohannes Kebede		Scanmed LLC	21-Mar-23						
Note: L-028-2018/1 split between CC; CIT; NCI										

$112,525.86	$0.00	$112,525.86	$28,244.28	$84,281.58

NIH Patent Licensing Activities
CDC
October 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total October Income	License Cumulative Income	Inventor Awards October	Net Remaining to IC
L-157-2014/3	Anderson, Larry J.	(b) (4), (b) (6)	Millipore Sigma	4-Oct-22						(b) (3) (A), (b) (4), (b) (6)
L-157-2014/3	Tsou, Cecelia		Millipore Sigma	4-Oct-22						
L-155-2020/1	Sanchez, Anthony		Emergent Product Development Gaithersbur	6-Oct-22						
Note: L-155-2020/1 split between CDC; NIAID										
L-155-2020/1	CDC		Emergent Product Development Gaithersbur	6-Oct-22						
Note: L-155-2020/1 split between CDC; NIAID										
L-253-2019/0	CDC		Integrated DNA Technologies, Inc.	21-Oct-22						
L-004-2023/0	Bagarozzi, Dennis Anthony	(b) (4), (b) (6)	InBios International, Inc.	31-Oct-22						
L-004-2023/0	Davis, Marianne L		InBios International, Inc.	31-Oct-22						
L-004-2023/0	Goldstein, Jason Marc		InBios International, Inc.	31-Oct-22						
L-004-2023/0	Panayampalli, Subbian Satheshkum		InBios International, Inc.	31-Oct-22						
L-004-2023/0	Patton, Joanne L		InBios International, Inc.	31-Oct-22						
L-004-2023/0	Pitts, Richard Lee		InBios International, Inc.	31-Oct-22						
L-004-2023/0	Roumillat, Luna Floretta		InBios International, Inc.	31-Oct-22						
L-004-2023/0	Townsend, Michael		InBios International, Inc.	31-Oct-22						

NIH Patent Licensing Activities
CDC
November 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total November Income	License Cumulative Income	Inventor Awards November	Net Remaining to IC
L-112-2021/0	Folks, Thomas M	(b) (4), (b) (6)	Laurus Generics, Inc.	1-Nov-22						(b) (3) (A), (b) (4), (b) (6)
L-112-2021/0	Garcia Lerma, Jose Gerardo		Laurus Generics, Inc.	1-Nov-22						
L-112-2021/0	Heneine, Walid M.		Laurus Generics, Inc.	1-Nov-22						
L-112-2021/0	Janssen, Robert		Laurus Generics, Inc.	1-Nov-22						
L-112-2021/0	Otten, Ronald		Laurus Generics, Inc.	1-Nov-22						
L-222-2021/1	Burns, Cara C.		Anhui Zhifei Longcom Biopharmaceutical C	8-Nov-22						
L-222-2021/1	Campagnolie, Raymond (Ray) P.		Anhui Zhifei Longcom Biopharmaceutical C	8-Nov-22						
L-222-2021/1	Kew, Olen M.		Anhui Zhifei Longcom Biopharmaceutical C	8-Nov-22						
L-222-2021/1	Shaw, Jing		Anhui Zhifei Longcom Biopharmaceutical C	8-Nov-22						
L-026-2018/0	Anderson, Burt E.		ID-FISH Technology, Inc	9-Nov-22						
L-026-2018/0	Dawson, Jacqueline E.		ID-FISH Technology, Inc	9-Nov-22						
L-029-2014/1	CDC		Serum Institute of India PVT. LTD.	10-Nov-22						
L-180-2013/4	Chang, Gwong-Jen J.	(b) (4), (b) (6)	InBios International, Inc.	17-Nov-22						
L-111-2014/2	CDC		Invenprise LLC	21-Nov-22						
L-255-2020/0	Bobick, Thomas G.	(b) (4), (b) (6)	Reese Wholesale	23-Nov-22						
L-255-2020/0	Cantis, Douglas M.		Reese Wholesale	23-Nov-22						
L-255-2020/0	Edgell, Herbert D.		Reese Wholesale	23-Nov-22						
L-255-2020/0	McKenzie, Eugene A.		Reese Wholesale	23-Nov-22						

L-175-2013/0	Chang, Gwong-Jen J.	(b) (4), (b) (6)	ID-VET Sarl	25-Nov-22	(b) (3) (A), (b) (4), (b) (6)					
L-205-2013/1	Cox, Nancy J.		University of Florida Research Foundatio	25-Nov-22						
L-205-2013/1	Donis, Ruben O.		University of Florida Research Foundatio	25-Nov-22						
L-205-2013/1	Katz, Jacqueline M.		University of Florida Research Foundatio	25-Nov-22						
L-205-2013/1	Klimov, Alexander I.		University of Florida Research Foundatio	25-Nov-22						
L-154-2013/0	Castro, Arnold R.		Chembio Diagnostic Sys., Inc.	29-Nov-22						
L-154-2013/0	George, Robert W.		Chembio Diagnostic Sys., Inc.	29-Nov-22						
L-231-2013/0	Murphy, William J.		Michael & Associates, Inc.	29-Nov-22						
L-231-2013/0	Raudabaugh, William M.		Michael & Associates, Inc.	29-Nov-22						
L-231-2013/0	Stephenson, Mark R.		Michael & Associates, Inc.	29-Nov-22						
L-212-2014/0	Granade, Timothy C.		Maxim Biotech, Inc.	29-Nov-22						
L-212-2014/0	Parekh, Bharat S.		Maxim Biotech, Inc.	29-Nov-22						
L-212-2014/0	Pau, Chou-Pong		Maxim Biotech, Inc.	29-Nov-22						
L-101-2017/1	Devos, Joshua R.		Life Technologies Corporation	29-Nov-22						
L-101-2017/1	Wagar, Nicholas		Life Technologies Corporation	29-Nov-22						
L-101-2017/1	Yang, Chunfu (Dustin)		Life Technologies Corporation	29-Nov-22						
L-101-2017/1	Zhou, Zhiyong		Life Technologies Corporation	29-Nov-22						
L-167-2018/0	Aloisio, Carol H.		Southern Biotecnology	29-Nov-22						
L-167-2018/0	Black, Charlotte M.		Southern Biotecnology	29-Nov-22						
L-167-2018/0	Galland, Gale G.		Southern Biotecnology	29-Nov-22						
L-167-2018/0	Moore, Deborah D.		Southern Biotecnology	29-Nov-22						
L-167-2018/0	Phillips, Donald		Southern Biotecnology	29-Nov-22						
L-167-2018/0	Reimer, Charles B.		Southern Biotecnology	29-Nov-22						
L-167-2018/0	Wells, Thomas		Southern Biotecnology	29-Nov-22						
L-250-2021/0	Boyer, Anne E.		Quest Diagnostics Incorporated	29-Nov-22						
L-250-2021/0	Brand, Joy A.		Quest Diagnostics Incorporated	29-Nov-22						
L-250-2021/0	Maddison, Shirley E.		Quest Diagnostics Incorporated	29-Nov-22						
L-250-2021/0	Schantz, Peter M.		Quest Diagnostics Incorporated	29-Nov-22						
L-250-2021/0	Tsang, Victor C.		Quest Diagnostics Incorporated	29-Nov-22						
L-250-2021/0	Wilson, Marianna		Quest Diagnostics Incorporated	29-Nov-22						

NIH Patent Licensing Activities
CDC
December 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total December Income	License Cumulative Income	Inventor Awards December	Net Remaining to IC
L-167-2021/1	Folks, Thomas M	(b) (4), (b) (6)	Sandoz Pty Ltd	1-Dec-22	(b) (3) (A), (b) (4), (b) (6)					
L-167-2021/1	Garcia Lerma, Jose Gerardo		Sandoz Pty Ltd	1-Dec-22						
L-167-2021/1	Heneine, Walid M.		Sandoz Pty Ltd	1-Dec-22						
L-167-2021/1	Janssen, Robert		Sandoz Pty Ltd	1-Dec-22						
L-167-2021/1	Otten, Ronald		Sandoz Pty Ltd	1-Dec-22						
L-139-2014/2	Bellini, William J.		VMRD	2-Dec-22						
L-139-2014/2	Esposito, Joseph J.		VMRD	2-Dec-22						
L-139-2014/2	Summer, John		VMRD	2-Dec-22						
L-197-2020/0	Folks, Thomas M		CIPLA LIMITED	2-Dec-22						
L-197-2020/0	Garcia Lerma, Jose Gerardo		CIPLA LIMITED	2-Dec-22						

(b) (3) (A), (b) (4), (b) (6)

(b) (4), (b) (6)

L-197-2020/0	Heneine, Walid M.	CIPLA LIMITED	2-Dec-22
L-197-2020/0	Janssen, Robert	CIPLA LIMITED	2-Dec-22
L-197-2020/0	Otten, Ronald	CIPLA LIMITED	2-Dec-22
L-187-2018/1	Gentsch, Jon R.	Beijing Cell-fusion Biotechnology Co., L	5-Dec-22
L-187-2018/1	Glass, Roger I.	Beijing Cell-fusion Biotechnology Co., L	5-Dec-22
L-187-2018/1	Jiang, Baoming	Beijing Cell-fusion Biotechnology Co., L	5-Dec-22
L-187-2018/1	Saluzzo, Jean-Francois	Beijing Cell-fusion Biotechnology Co., L	5-Dec-22
L-187-2018/1	Wang, Yuhuan	Beijing Cell-fusion Biotechnology Co., L	5-Dec-22
L-087-2015/0	Damon, Inger K.	Chengdu Boao Bio-tech Co.	6-Dec-22
L-087-2015/0	Hanlon, Cathleen	Chengdu Boao Bio-tech Co.	6-Dec-22
L-087-2015/0	Wu, Xianfu	Chengdu Boao Bio-tech Co.	6-Dec-22
L-065-2019/0	CDC	DiaSorin Molecular LLC	7-Dec-22
L-162-2013/0	Snyder, Jay L.	E.D. Bullard Co.	8-Dec-22
L-162-2013/0	Wood, Gerry O.	E.D. Bullard Co.	8-Dec-22
L-075-2022/0	Burns, Cara C.	Biological Mimetics, Inc.	8-Dec-22
L-075-2022/0	Campagnolie, Raymond (Ray) P.	Biological Mimetics, Inc.	8-Dec-22
L-075-2022/0	Kew, Olen M.	Biological Mimetics, Inc.	8-Dec-22
L-075-2022/0	Konopka-Anstadt, Jennifer Lynn	Biological Mimetics, Inc.	8-Dec-22
L-075-2022/0	Shaw, Jing	Biological Mimetics, Inc.	8-Dec-22
L-075-2022/0	Vincent, Annelet S	Biological Mimetics, Inc.	8-Dec-22
L-112-2021/0	Folks, Thomas M	Laurus Generics, Inc.	14-Dec-22
L-112-2021/0	Garcia Lerma, Jose Gerardo	Laurus Generics, Inc.	14-Dec-22
L-112-2021/0	Heneine, Walid M.	Laurus Generics, Inc.	14-Dec-22
L-112-2021/0	Janssen, Robert	Laurus Generics, Inc.	14-Dec-22
L-112-2021/0	Otten, Ronald	Laurus Generics, Inc.	14-Dec-22
L-112-2021/0	CDC	Laurus Generics, Inc.	14-Dec-22
L-250-2021/0	Boyer, Anne E.	Quest Diagnostics Incorporated	15-Dec-22
L-250-2021/0	Brand, Joy A.	Quest Diagnostics Incorporated	15-Dec-22
L-250-2021/0	Maddison, Shirley E.	Quest Diagnostics Incorporated	15-Dec-22
L-250-2021/0	Schantz, Peter M.	Quest Diagnostics Incorporated	15-Dec-22
L-250-2021/0	Tsang, Victor C.	Quest Diagnostics Incorporated	15-Dec-22
L-250-2021/0	Wilson, Marianna	Quest Diagnostics Incorporated	15-Dec-22
L-036-2021/0	Olson, Victoria Ann	Shandong Yidu Biotechnology Co., Ltd.	16-Dec-22
L-036-2021/0	Rupprecht, Charles E.	Shandong Yidu Biotechnology Co., Ltd.	16-Dec-22
L-036-2021/0	Wu, Xianfu	Shandong Yidu Biotechnology Co., Ltd.	16-Dec-22
L-036-2021/0	Yang, Yong	Shandong Yidu Biotechnology Co., Ltd.	16-Dec-22
L-029-2023/0	McDougal, Steve	Sichuan Ainaif Life Technology Co. LTD	16-Dec-22
L-029-2023/0	Parekh, Bharat S.	Sichuan Ainaif Life Technology Co. LTD	16-Dec-22
L-029-2023/0	Wei, Xierong	Sichuan Ainaif Life Technology Co. LTD	16-Dec-22
L-029-2023/0	McDougal, Steve	Sichuan Ainaif Life Technology Co. LTD	16-Dec-22
L-029-2023/0	Parekh, Bharat S.	Sichuan Ainaif Life Technology Co. LTD	16-Dec-22
L-029-2023/0	Wei, Xierong	Sichuan Ainaif Life Technology Co. LTD	16-Dec-22
L-029-2023/0	McDougal, Steve	Sichuan Ainaif Life Technology Co. LTD	16-Dec-22
L-029-2023/0	Parekh, Bharat S.	Sichuan Ainaif Life Technology Co. LTD	16-Dec-22
L-029-2023/0	Wei, Xierong	Sichuan Ainaif Life Technology Co. LTD	16-Dec-22
L-014-2020/0	McDougal, Steve	Premier Medical USA Corporation	19-Dec-22

(b) (3) (A), (b) (4), (b) (6)

L-014-2020/0	Parekh, Bharat S.	(b) (4), (b) (6)	Premier Medical USA Corporation	19-Dec-22						
L-014-2020/0	Pau, Chou-Pong		Premier Medical USA Corporation	19-Dec-22						
L-014-2020/0	Wei, Xierong		Premier Medical USA Corporation	19-Dec-22						
L-252-2013/3	Barclay, Leslie		R-Biopharm AG	20-Dec-22						
L-252-2013/3	Chhabra, Preeti		R-Biopharm AG	20-Dec-22						
L-252-2013/3	Gregoricus, Nicole		R-Biopharm AG	20-Dec-22						
L-252-2013/3	Vinje, Jan		R-Biopharm AG	20-Dec-22						
L-242-2019/0	Damon, Inger K.		Liaoning Cheng Da Biotechnology Co., LTD	22-Dec-22						
L-242-2019/0	Hanlon, Cathleen		Liaoning Cheng Da Biotechnology Co., LTD	22-Dec-22						
L-242-2019/0	Wu, Xianfu		Liaoning Cheng Da Biotechnology Co., LTD	22-Dec-22						
L-247-2020/0	Butera, Salvatore T.		Merck Sharp & Dohme Corp.	22-Dec-22						
L-247-2020/0	Folks, Thomas M		Merck Sharp & Dohme Corp.	22-Dec-22						
L-247-2020/0	Perez, Victor L.		Merck Sharp & Dohme Corp.	22-Dec-22						
L-329-2014/0	Bishop, Henry		Fuller Laboratories	27-Dec-22						
L-171-2015/0	CDC		Fuller Laboratories	27-Dec-22						
L-127-2013/2	Esswein, Eric J.	(b) (4), (b) (6)	KC, Inc.	28-Dec-22						
L-127-2013/2	Kennedy, Eugene R.		KC, Inc.	28-Dec-22						
L-127-2013/2	Snawder, John E.		KC, Inc.	28-Dec-22						
L-127-2013/2	Striley, Cynthia A.		KC, Inc.	28-Dec-22						
L-166-2017/1	CDC		Accelerate Diagnostics, Inc.	28-Dec-22						
L-197-2020/1	Folks, Thomas M	(b) (4), (b) (6)	CIPLA LIMITED	28-Dec-22						
L-197-2020/1	Garcia Lerma, Jose Gerardo		CIPLA LIMITED	28-Dec-22						
L-197-2020/1	Heneine, Walid M.		CIPLA LIMITED	28-Dec-22						
L-197-2020/1	Janssen, Robert		CIPLA LIMITED	28-Dec-22						
L-197-2020/1	Otten, Ronald		CIPLA LIMITED	28-Dec-22						
L-129-2014/3	Anderson, Larry J.		ViroStat, Inc.	29-Dec-22						
L-129-2014/3	Tsou, Cecelia		ViroStat, Inc.	29-Dec-22						
L-009-2019/3	Gasebom, Shane Dallas		InDevR, Inc.	29-Dec-22						
L-009-2019/3	Guo, Zhu		InDevR, Inc.	29-Dec-22						
L-009-2019/3	Stevens, James		InDevR, Inc.	29-Dec-22						
L-009-2019/3	Wilson, Jason Ray		InDevR, Inc.	29-Dec-22						
L-009-2019/3	Yang, Hua		InDevR, Inc.	29-Dec-22						
L-009-2019/3	York, Ian Arthur		InDevR, Inc.	29-Dec-22						
L-143-2013/0	Cox, Nancy J.		Biosearch Technololgies, Inc.	30-Dec-22						
L-143-2013/0	Klimov, Alexander I.		Biosearch Technololgies, Inc.	30-Dec-22						
L-143-2013/0	Lindstrom, Stephen		Biosearch Technololgies, Inc.	30-Dec-22						
L-143-2013/0	Loftin, Lamorris		Biosearch Technololgies, Inc.	30-Dec-22						
L-314-2019/0	CDC		Integrated DNA Technologies, Inc.	30-Dec-22						

NIH Patent Licensing Activities
CDC
January 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total January Income	License Cumulative Income	Inventor Awards January	Net Remaining to IC

		(b) (4), (b) (6)			(b) (3) (A), (b) (4), (b) (6)
L-062-2022/0	Folks, Thomas M		Lupin Pharmaceuticals, Inc	1-Jan-23	
L-062-2022/0	Garcia Lerma, Jose Gerardo		Lupin Pharmaceuticals, Inc	1-Jan-23	
L-062-2022/0	Heneine, Walid M.		Lupin Pharmaceuticals, Inc	1-Jan-23	
L-062-2022/0	Janssen, Robert		Lupin Pharmaceuticals, Inc	1-Jan-23	
L-062-2022/0	Otten, Ronald		Lupin Pharmaceuticals, Inc	1-Jan-23	
L-029-2014/1	CDC		Serum Institute of India PVT. LTD.	3-Jan-23	
L-143-2014/3	Roehrig, John T.	(b) (4), (b) (6)	VecTOR Test Systems	3-Jan-23	
L-203-2018/0	CDC		Serum Institute of India	3-Jan-23	
		(b) (4), (b) (6)			
L-065-2015/0	Aloisio, Carol H.		BioLegend, Inc.	4-Jan-23	
L-065-2015/0	Black, Charlotte M.		BioLegend, Inc.	4-Jan-23	
L-065-2015/0	Galland, Gale G.		BioLegend, Inc.	4-Jan-23	
L-065-2015/0	Moore, Deborah D.		BioLegend, Inc.	4-Jan-23	
L-065-2015/0	Phillips, Donald		BioLegend, Inc.	4-Jan-23	
L-065-2015/0	Reimer, Charles B.		BioLegend, Inc.	4-Jan-23	
L-065-2015/0	Wells, Thomas		BioLegend, Inc.	4-Jan-23	
L-232-2020/1	Aloisio, Carol H.		BD Biosciences	4-Jan-23	
L-232-2020/1	Black, Charlotte M.		BD Biosciences	4-Jan-23	
L-232-2020/1	Galland, Gale G.		BD Biosciences	4-Jan-23	
L-232-2020/1	Moore, Deborah D.		BD Biosciences	4-Jan-23	
L-232-2020/1	Phillips, Donald		BD Biosciences	4-Jan-23	
L-232-2020/1	Reimer, Charles B.		BD Biosciences	4-Jan-23	
L-232-2020/1	Wells, Thomas		BD Biosciences	4-Jan-23	
L-174-2013/1	Chang, Gwong-Jen J.		Hennessy Research Associates	5-Jan-23	
L-142-2014/3	Aloisio, Carol H.		Life Technologies Corporation	5-Jan-23	
L-142-2014/3	Black, Glenn L		Life Technologies Corporation	5-Jan-23	
L-142-2014/3	Galland, Gale G.		Life Technologies Corporation	5-Jan-23	
L-142-2014/3	Moore, Deborah D.		Life Technologies Corporation	5-Jan-23	
L-142-2014/3	Phillips, Donald		Life Technologies Corporation	5-Jan-23	
L-142-2014/3	Reimer, Charles B.		Life Technologies Corporation	5-Jan-23	
L-142-2014/3	Wells, Thomas		Life Technologies Corporation	5-Jan-23	
L-025-2016/0	Roehrig, John T.		Hennessy Research Associates	5-Jan-23	
L-178-2021/0	Kinney, Claire Huang		Takeda Vaccine, Inc.	5-Jan-23	
L-125-2020/0	Aloisio, Carol H.		Iovance Biotherapeutics, Inc	18-Jan-23	
L-125-2020/0	Black, Charlotte M.		Iovance Biotherapeutics, Inc	18-Jan-23	
L-125-2020/0	Galland, Gale G.		Iovance Biotherapeutics, Inc	18-Jan-23	
L-125-2020/0	Moore, Deborah D.		Iovance Biotherapeutics, Inc	18-Jan-23	
L-125-2020/0	Phillips, Donald		Iovance Biotherapeutics, Inc	18-Jan-23	
L-125-2020/0	Reimer, Charles B.		Iovance Biotherapeutics, Inc	18-Jan-23	
L-125-2020/0	Wells, Thomas		Iovance Biotherapeutics, Inc	18-Jan-23	
L-167-2018/0	Aloisio, Carol H.		Southern Biotecnology	19-Jan-23	
L-167-2018/0	Black, Charlotte M.		Southern Biotecnology	19-Jan-23	
L-167-2018/0	Galland, Gale G.		Southern Biotecnology	19-Jan-23	
L-167-2018/0	Moore, Deborah D.		Southern Biotecnology	19-Jan-23	
L-167-2018/0	Phillips, Donald		Southern Biotecnology	19-Jan-23	
L-167-2018/0	Reimer, Charles B.		Southern Biotecnology	19-Jan-23	
L-167-2018/0	Wells, Thomas		Southern Biotecnology	19-Jan-23	
L-283-2018/0	Folks, Thomas M		TAD Pharma GmbH	20-Jan-23	

		(b) (4), (b) (6)			(b) (3) (A), (b) (4), (b) (6)
L-283-2018/0	Garcia Lerma, Jose Gerardo		TAD Pharma GmbH	20-Jan-23	
L-283-2018/0	Heneine, Walid M.		TAD Pharma GmbH	20-Jan-23	
L-283-2018/0	Janssen, Robert		TAD Pharma GmbH	20-Jan-23	
L-283-2018/0	Otten, Ronald		TAD Pharma GmbH	20-Jan-23	
L-140-2013/0	Lewis, Daniel M.		Alexeter Technologies	23-Jan-23	
L-140-2013/0	Schmechel, Detlef		Alexeter Technologies	23-Jan-23	
L-093-2005/5	Sanchez, Anthony		Janssen Vaccines & Prevention B.V.	26-Jan-23	
Note: L-093-2005/5 split between CDC; NIAID					
L-031-2015/1	Ades, Edwin W.		Emory University	26-Jan-23	
L-031-2015/1	Candal, Francisco (Paco) J.		Emory University	26-Jan-23	
L-017-2017/0	Munoz-Jordan, Jorge L.		Takeda Vaccines, Inc.	26-Jan-23	
L-017-2017/0	Santiago, Gilberto		Takeda Vaccines, Inc.	26-Jan-23	
L-017-2017/0	Vergne, Edgardo		Takeda Vaccines, Inc.	26-Jan-23	
L-130-2014/2	Donlan, Rodney M.		BioSurface Technologies	27-Jan-23	
L-130-2014/2	Kirby, Wayne		BioSurface Technologies	27-Jan-23	
L-130-2014/2	Murga, Ricardo		BioSurface Technologies	27-Jan-23	
L-247-2013/1	Castro, Arnold R.		Arkray Healthcare Pvt Ltd.	30-Jan-23	
L-247-2013/1	George, Robert W.		Arkray Healthcare Pvt Ltd.	30-Jan-23	
L-101-2017/1	Devos, Joshua R.		Life Technologies Corporation	30-Jan-23	
L-101-2017/1	Wagar, Nicholas		Life Technologies Corporation	30-Jan-23	
L-101-2017/1	Yang, Chunfu (Dustin)		Life Technologies Corporation	30-Jan-23	
L-101-2017/1	Zhou, Zhiyong		Life Technologies Corporation	30-Jan-23	

NIH Patent Licensing Activities
CDC
February 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total February Income	License Cumulative Income	Inventor Awards February	Net Remaining to IC
L-186-2013/6	Chang, Gwong-Jen J.	(b) (4), (b) (6)	DiaSorin Molecular	1-Feb-23						(b) (3) (A), (b) (4), (b) (6)
L-186-2013/6	Roehrig, John T.		DiaSorin Molecular	1-Feb-23						
L-198-2013/0	Fields, Patricia		Luminex Corporation	1-Feb-23						
L-198-2013/0	Leaumont, Collette F.		Luminex Corporation	1-Feb-23						
L-198-2013/0	McQuiston, John R.		Luminex Corporation	1-Feb-23						
L-065-2019/0	CDC		DiaSorin Molecular LLC	1-Feb-23						
L-108-2014/3	CDC		Microbiologics, Inc.	2-Feb-23						
L-196-2017/0	CDC		Microbiologics Inc	2-Feb-23						
L-155-2020/1	Sanchez, Anthony	(b) (4), (b) (6)	Emergent Product Development Gaithersbur	8-Feb-23						
Note: L-155-2020/1 split between CDC; NIAID										
L-108-2014/3	CDC		Microbiologics, Inc.	9-Feb-23						
L-035-2017/1	CDC	(b) (4), (b) (6)	Microbiologics Inc	9-Feb-23						
L-119-2022/0	CDC		Microbiologics In	9-Feb-23						

(b) (3) (A), (b) (4), (b) (6)

L-250-2021/0	Boyer, Anne E.	(b) (4), (b) (6)	Quest Diagnostics Incorporated	10-Feb-23
L-250-2021/0	Brand, Joy A.		Quest Diagnostics Incorporated	10-Feb-23
L-250-2021/0	Maddison, Shirley E.		Quest Diagnostics Incorporated	10-Feb-23
L-250-2021/0	Schantz, Peter M.		Quest Diagnostics Incorporated	10-Feb-23
L-250-2021/0	Tsang, Victor C.		Quest Diagnostics Incorporated	10-Feb-23
L-250-2021/0	Wilson, Marianna		Quest Diagnostics Incorporated	10-Feb-23
L-051-2020/0	Olson, Victoria Ann		BIO ZOO, S.A. de C.V.	13-Feb-23
L-051-2020/0	Wu, Xianfu		BIO ZOO, S.A. de C.V.	13-Feb-23
L-051-2020/0	Yang, Yong		BIO ZOO, S.A. de C.V.	13-Feb-23
L-112-2021/0	Folks, Thomas M		Laurus Generics, Inc.	13-Feb-23
L-112-2021/0	Garcia Lerma, Jose Gerardo		Laurus Generics, Inc.	13-Feb-23
L-112-2021/0	Heneine, Walid M.		Laurus Generics, Inc.	13-Feb-23
L-112-2021/0	Janssen, Robert		Laurus Generics, Inc.	13-Feb-23
L-112-2021/0	Otten, Ronald		Laurus Generics, Inc.	13-Feb-23
L-233-2013/0	Hummer, Jon		Thermo Environmental Instruments	14-Feb-23
L-233-2013/0	Volkwein, Jon C.		Thermo Environmental Instruments	14-Feb-23
L-107-2023/0	Diwakar, Prasson		Kanomax Holdings, Inc.	14-Feb-23
L-107-2023/0	Kulkarni, Pramod		Kanomax Holdings, Inc.	14-Feb-23
L-198-2016/2	Burns, Cara C.		Codagenix	21-Feb-23
L-198-2016/2	Campagnolie, Raymond (Ray) P.		Codagenix	21-Feb-23
L-198-2016/2	Kew, Olen M.		Codagenix	21-Feb-23
L-198-2016/2	Quay, Jacueline		Codagenix	21-Feb-23
L-198-2016/2	Shaw, Jing		Codagenix	21-Feb-23
L-102-2018/0	Robertson, Shirley		Becton, Dickinson and Company	23-Feb-23
L-102-2018/0	Sammons, Deborah L.		Becton, Dickinson and Company	23-Feb-23
L-102-2018/0	Smith, Jerome P.		Becton, Dickinson and Company	23-Feb-23
L-102-2018/0	Robertson, Shirley		Becton, Dickinson and Company	23-Feb-23
L-102-2018/0	Sammons, Deborah L.		Becton, Dickinson and Company	23-Feb-23
L-102-2018/0	Smith, Jerome P.		Becton, Dickinson and Company	23-Feb-23
L-198-2013/0	Fields, Patricia		Luminex Corporation	27-Feb-23
L-198-2013/0	Leaumont, Collette F.		Luminex Corporation	27-Feb-23
L-198-2013/0	McQuiston, John R.		Luminex Corporation	27-Feb-23

NIH Patent Licensing Activities
CDC
March 2023

(b) (3) (A), (b) (4), (b) (6)

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total March Income	License Cumulative Income	Inventor Awards March	Net Remaining to IC
L-134-2014/2	Anderson, Larry J.	(b) (4), (b) (6)	Millipore Sigma	2-Mar-23						
L-134-2014/2	Hierholzer, John C.		Millipore Sigma	2-Mar-23						
L-134-2014/2	Tsou, Cecelia		Millipore Sigma	2-Mar-23						
L-136-2014/2	Roehrig, John T.		Millipore Sigma	2-Mar-23						
L-136-2014/2	Roehrig, John T.		Millipore Sigma	2-Mar-23						
L-140-2014/1	Anderson, Larry J.		Millipore Sigma	2-Mar-23						

		(b) (4), (b) (6)			(b) (3) (A), (b) (4), (b) (6)
L-140-2014/1	Erdman, Dean D.		Millipore Sigma	2-Mar-23	
L-140-2014/1	Hart, John C.		Millipore Sigma	2-Mar-23	
L-140-2014/1	Peret, Teresa C.		Millipore Sigma	2-Mar-23	
L-141-2014/3	Rupprecht, Charles E.		Millipore Sigma	2-Mar-23	
L-141-2014/3	Smith, Jean S.		Millipore Sigma	2-Mar-23	
L-141-2014/3	Yager, Pamela		Millipore Sigma	2-Mar-23	
L-141-2014/3	Rupprecht, Charles E.		Millipore Sigma	2-Mar-23	
L-141-2014/3	Smith, Jean S.		Millipore Sigma	2-Mar-23	
L-141-2014/3	Yager, Pamela		Millipore Sigma	2-Mar-23	
L-150-2014/2	Maher, Kaija		Millipore Sigma	2-Mar-23	
L-150-2014/2	Pallansch, Mark A.		Millipore Sigma	2-Mar-23	
L-150-2014/2	Maher, Kaija		Millipore Sigma	2-Mar-23	
L-150-2014/2	Pallansch, Mark A.		Millipore Sigma	2-Mar-23	
L-151-2014/2	Bellini, William J.		Millipore Sigma	2-Mar-23	
L-151-2014/2	Wang, Zhongde		Millipore Sigma	2-Mar-23	
L-151-2014/2	Bellini, William J.		Millipore Sigma	2-Mar-23	
L-151-2014/2	Wang, Zhongde		Millipore Sigma	2-Mar-23	
L-154-2014/2	Black, Jodi B.		Millipore Sigma	2-Mar-23	
L-154-2014/2	Lopez, Carlos		Millipore Sigma	2-Mar-23	
L-154-2014/2	Pellett, Philip E.		Millipore Sigma	2-Mar-23	
L-154-2014/2	Yamamoto, Masahiro		Millipore Sigma	2-Mar-23	
L-155-2014/2	Anderson, Larry J.		Millipore Sigma	2-Mar-23	
L-155-2014/2	Flemister, Mary		Millipore Sigma	2-Mar-23	
L-155-2014/2	Freeman, Charlotte		Millipore Sigma	2-Mar-23	
L-155-2014/2	Marchetti, George		Millipore Sigma	2-Mar-23	
L-155-2014/2	Pallansch, Mark A.		Millipore Sigma	2-Mar-23	
L-155-2014/2	Anderson, Larry J.		Millipore Sigma	2-Mar-23	
L-155-2014/2	Flemister, Mary		Millipore Sigma	2-Mar-23	
L-155-2014/2	Freeman, Charlotte		Millipore Sigma	2-Mar-23	
L-155-2014/2	Marchetti, George		Millipore Sigma	2-Mar-23	
L-155-2014/2	Pallansch, Mark A.		Millipore Sigma	2-Mar-23	
L-157-2014/3	Anderson, Larry J.		Millipore Sigma	2-Mar-23	
L-157-2014/3	Tsou, Cecelia		Millipore Sigma	2-Mar-23	
L-157-2014/3	Anderson, Larry J.		Millipore Sigma	2-Mar-23	
L-157-2014/3	Tsou, Cecelia		Millipore Sigma	2-Mar-23	
L-160-2014/2	Harmon, Maurice		Millipore Sigma	2-Mar-23	
L-160-2014/2	Kendal, Alan P.		Millipore Sigma	2-Mar-23	
L-160-2014/2	Stockdale, Carol		Millipore Sigma	2-Mar-23	
L-160-2014/2	Walls, Harriet		Millipore Sigma	2-Mar-23	
L-160-2014/2	Harmon, Maurice		Millipore Sigma	2-Mar-23	
L-160-2014/2	Kendal, Alan P.		Millipore Sigma	2-Mar-23	
L-160-2014/2	Stockdale, Carol		Millipore Sigma	2-Mar-23	
L-160-2014/2	Walls, Harriet		Millipore Sigma	2-Mar-23	
L-065-2015/0	Aloisio, Carol H.		BioLegend, Inc.	2-Mar-23	
L-065-2015/0	Black, Charlotte M.		BioLegend, Inc.	2-Mar-23	

		(b) (4), (b) (6)								(b) (3) (A), (b) (4), (b) (6)
L-065-2015/0	Galland, Gale G.		BioLegend, Inc.	2-Mar-23						
L-065-2015/0	Moore, Deborah D.		BioLegend, Inc.	2-Mar-23						
L-065-2015/0	Phillips, Donald		BioLegend, Inc.	2-Mar-23						
L-065-2015/0	Reimer, Charles B.		BioLegend, Inc.	2-Mar-23						
L-065-2015/0	Wells, Thomas		BioLegend, Inc.	2-Mar-23						
L-070-2016/1	Sanchez, Anthony		Emergent Biosolutions	3-Mar-23						
Note: L-070-2016/1 split between CDC; NIAID										
L-236-2015/1	Ades, Edwin W.		ENTvantage Diagnostics, Inc.	6-Mar-23						
L-236-2015/1	Carlone, George M.		ENTvantage Diagnostics, Inc.	6-Mar-23						
L-236-2015/1	O'Connor, Steven		ENTvantage Diagnostics, Inc.	6-Mar-23						
L-236-2015/1	Russell, Harold		ENTvantage Diagnostics, Inc.	6-Mar-23						
L-236-2015/1	Sampson, Jacquelyn S.		ENTvantage Diagnostics, Inc.	6-Mar-23						
L-236-2015/1	Tharpe, Jean A.		ENTvantage Diagnostics, Inc.	6-Mar-23						
L-145-2013/3	Gentsch, Jon R.		Beijing Luzhu Biopharm Co., Ltd.	8-Mar-23						
L-145-2013/3	Glass, Roger I.		Beijing Luzhu Biopharm Co., Ltd.	8-Mar-23						
L-145-2013/3	Jiang, Baoming		Beijing Luzhu Biopharm Co., Ltd.	8-Mar-23						
L-145-2013/3	Saluzzo, Jean-Francois		Beijing Luzhu Biopharm Co., Ltd.	8-Mar-23						
L-145-2013/3	Wang, Yuhuan		Beijing Luzhu Biopharm Co., Ltd.	8-Mar-23						
L-137-2014/1	Aloisio, Carol H.		Thermo Fisher Scientific	21-Mar-23						
L-137-2014/1	Black, Charlotte M.		Thermo Fisher Scientific	21-Mar-23						
L-137-2014/1	Galland, Gale G.		Thermo Fisher Scientific	21-Mar-23						
L-137-2014/1	Moore, Deborah D.		Thermo Fisher Scientific	21-Mar-23						
L-137-2014/1	Phillips, Donald		Thermo Fisher Scientific	21-Mar-23						
L-137-2014/1	Reimer, Charles B.		Thermo Fisher Scientific	21-Mar-23						
L-137-2014/1	Wells, Thomas		Thermo Fisher Scientific	21-Mar-23						
L-142-2014/3	Aloisio, Carol H.		Life Technologies Corporation	21-Mar-23						
L-142-2014/3	Black, Glenn L		Life Technologies Corporation	21-Mar-23						
L-142-2014/3	Galland, Gale G.		Life Technologies Corporation	21-Mar-23						
L-142-2014/3	Moore, Deborah D.		Life Technologies Corporation	21-Mar-23						
L-142-2014/3	Phillips, Donald		Life Technologies Corporation	21-Mar-23						
L-142-2014/3	Reimer, Charles B.		Life Technologies Corporation	21-Mar-23						
L-142-2014/3	Wells, Thomas		Life Technologies Corporation	21-Mar-23						
L-101-2017/1	Devos, Joshua R.		Life Technologies Corporation	21-Mar-23						
L-101-2017/1	Wagar, Nicholas		Life Technologies Corporation	21-Mar-23						
L-101-2017/1	Yang, Chunfu (Dustin)		Life Technologies Corporation	21-Mar-23						
L-101-2017/1	Zhou, Zhiyong		Life Technologies Corporation	21-Mar-23						
L-180-2013/4	Chang, Gwong-Jen J.		InBios International, Inc.	30-Mar-23						
L-225-2017/0	Chang, Gwong-Jen J.		InBios International, Inc.	30-Mar-23						
L-225-2017/0	Davis, Brent S.		InBios International, Inc.	30-Mar-23						
L-225-2017/0	Roehrig, John T.		InBios International, Inc.	30-Mar-23						
L-225-2017/0	Thibodeaux, Brett A.		InBios International, Inc.	30-Mar-23						
L-123-2018/1	Roehrig, John T.		InBios International, Inc.	30-Mar-23						
L-233-2018/0	Bagarozzi, Dennis Anthony		InBios International, Inc.	30-Mar-23						
L-233-2018/0	Boyer, Anne E.		InBios International, Inc.	30-Mar-23						
L-233-2018/0	Goldstein, Jason Marc		InBios International, Inc.	30-Mar-23						
L-233-2018/0	Quinn, Conrad P.		InBios International, Inc.	30-Mar-23						
					$860,991.31	$35,298.10	$896,289.41		$222,597.75	$673,691.66

NIH Patent Licensing Activities
CIT
October 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total October Income	License Cumulative Income	Inventor Awards October	Net Remaining to IC

NIH Patent Licensing Activities
CIT
November 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total November Income	License Cumulative Income	Inventor Awards November	Net Remaining to IC

NIH Patent Licensing Activities
CIT
December 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total December Income	License Cumulative Income	Inventor Awards December	Net Remaining to IC
L-232-2014/1	CIT		NanoString Technologies, Inc.	6-Dec-22						(b) (3) (A), (b) (4)

Note: L-232-2014/1 split between CIT; NCI

NIH Patent Licensing Activities
CIT
January 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total January Income	License Cumulative Income	Inventor Awards January	Net Remaining to IC
L-111-2006/0	Malley, James	(b) (4),	ICAD Inc	12-Jan-23						(b) (3) (A), (b) (4), (b) (6)
L-111-2006/0	Wagner, Lynne M	(b) (6)	ICAD Inc	12-Jan-23						

Note: L-111-2006/0 split between CC; CIT; NI

NIH Patent Licensing Activities
CIT
February 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total February Income	License Cumulative Income	Inventor Awards February	Net Remaining to IC
L-028-2018/1	Cheng, Ruida	(b) (4),	Scanmed LLC	13-Feb-23						(b) (3) (A), (b) (4), (b) (6)
L-028-2018/1	McAuliffe, Matthew	(b) (6)	Scanmed LLC	13-Feb-23						

Note: L-028-2018/1 split between CC; CIT; N

NIH Patent Licensing Activities
CIT
March 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total March Income	License Cumulative Income	Inventor Awards March	Net Remaining to IC
L-028-2018/1	Cheng, Ruida	(b) (4),	Scanmed LLC	21-Mar-23						(b) (3) (A), (b) (4), (b) (6)
L-028-2018/1	McAuliffe, Matthew	(b) (6)	Scanmed LLC	21-Mar-23						
					$5,547.36	$0.00	$5,547.36		$1,394.65	$4,152.71

Note: L-028-2018/1 split between CC; CIT; NCI

NIH Patent Licensing Activities
FDA
October 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total October Income	License Cumulative Income	Inventor Awards October	Net Remaining to IC
L-347-2014/0	Donnelly, Raymond P.	(b) (4), (b) (6)	Abcam, plc	28-Oct-22						(b) (3) (A), (b) (4), (b) (6)
Note: L-347-2014/0 split between FDA; NCI										

NIH Patent Licensing Activities
FDA
November 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total November Income	License Cumulative Income	Inventor Awards November	Net Remaining to IC
L-001-2015/2	Falgout, Barry	(b) (4), (b) (6)	Merck Sharp & Dohme, Corp.	10-Nov-22						(b) (3) (A), (b) (4), (b) (6)
L-001-2015/2	Markoff, Lewis		Merck Sharp & Dohme, Corp.	10-Nov-22						
Note: L-001-2015/2 split between FDA; NIAID										

NIH Patent Licensing Activities
FDA
December 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total December Income	License Cumulative Income	Inventor Awards December	Net Remaining to IC
L-203-2020/0	Falgout, Barry	(b) (4), (b) (6)	Janssen Pharmaceutica, N.V.	12-Dec-22						(b) (3) (A), (b) (4), (b) (6)
L-203-2020/0	Markoff, Lewis		Janssen Pharmaceutica, N.V.	12-Dec-22						
Note: L-203-2020/0 split between FDA; NIAID										
L-001-2015/2	FDA		Merck Sharp & Dohme, Corp.	22-Dec-22						
Note: L-001-2015/2 split between FDA; NIAID										

NIH Patent Licensing Activities
FDA
January 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total January Income	License Cumulative Income	Inventor Awards January	Net Remaining to IC
L-149-2015/1	Falgout, Barry	(b) (4), (b) (6)	Serum Institute of India Ltd.	3-Jan-23						(b) (3) (A), (b) (4), (b) (6)
L-149-2015/1	Markoff, Lewis		Serum Institute of India Ltd.	3-Jan-23						
Note: L-149-2015/1 split between FDA; NIAID										
L-217-2016/0	Falgout, Barry		Indian Immunologicals Ltd	9-Jan-23						
L-217-2016/0	Markoff, Lewis		Indian Immunologicals Ltd	9-Jan-23						
Note: L-217-2016/0 split between FDA; NIAID										

					(b) (3) (A), (b) (4), (b) (6)
L-046-2017/1	Falgout, Barry	(b) (4), (b) (6)	Medigen Vaccine Biologics Corp	30-Jan-23	
L-046-2017/1	Markoff, Lewis		Medigen Vaccine Biologics Corp	30-Jan-23	
Note: L-046-2017/1 split between FDA; NIAID					

NIH Patent Licensing Activities
FDA
February 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total February Income	License Cumulative Income	Inventor Awards February	Net Remaining to IC
L-114-2009/0	Falgout, Barry	(b) (4), (b) (6)	Co for Vaccine and Bio Productin	21-Feb-23						(b) (3) (A), (b) (4), (b) (6)
L-114-2009/0	Markoff, Lewis		Co for Vaccine and Bio Productin	21-Feb-23						
Note: L-114-2009/0 split between FDA; NIAID										
L-111-2013/0	Donnelly, Raymond P.		Millipore Sigma	21-Feb-23						
Note: L-111-2013/0 split between FDA; NCI										
L-001-2015/2	Falgout, Barry		Merck Sharp & Dohme, Corp.	21-Feb-23						
L-001-2015/2	Markoff, Lewis		Merck Sharp & Dohme, Corp.	21-Feb-23						
Note: L-001-2015/2 split between FDA; NIAID										
L-080-2006/4	Falgout, Barry		Panacea Biotech Ltd	24-Feb-23						
L-080-2006/4	Markoff, Lewis		Panacea Biotech Ltd	24-Feb-23						
Note: L-080-2006/4 split between FDA; NIAID										

NIH Patent Licensing Activities
FDA
March 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total March Income	License Cumulative Income	Inventor Awards March	Net Remaining to IC
L-119-2009/2	Falgout, Barry	(b) (4), (b) (6)	Fundacao Butantan	16-Mar-23						(b) (3) (A), (b) (4), (b) (6)
L-119-2009/2	Markoff, Lewis		Fundacao Butantan	16-Mar-23						
Note: L-119-2009/2 split between FDA; NIAID										
					$127,799.09	$0.00	$127,799.09		$29,686.71	$98,112.38

NIH Patent Licensing Activities
NCATS
October 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total October Income	License Cumulative Income	Inventor Awards October	Net Remaining to IC
L-172-2022/0	Auld, Douglas S.	(b) (4),	Tocris Cookson Ltd.	3-Oct-22						(b) (3) (A), (b) (4), (b) (6)
L-172-2022/0	Boxer, Matthew	(b) (6)	Tocris Cookson Ltd.	3-Oct-22						
L-172-2022/0	Inglese, James		Tocris Cookson Ltd.	3-Oct-22						
L-172-2022/0	Jiang, Jian-kang		Tocris Cookson Ltd.	3-Oct-22						
L-172-2022/0	Skoumbourdis, Amanda P.		Tocris Cookson Ltd.	3-Oct-22						
L-172-2022/0	Thomas, Craig J.		Tocris Cookson Ltd.	3-Oct-22						
L-022-2022/0	Chen, Yu		FUJIFILM Cellular Dynamics, Inc.	14-Oct-22						
L-022-2022/0	Deng, Tao		FUJIFILM Cellular Dynamics, Inc.	14-Oct-22						
L-022-2022/0	Jovanovic, Vukasin		FUJIFILM Cellular Dynamics, Inc.	14-Oct-22						
L-022-2022/0	Simeonov, Anton		FUJIFILM Cellular Dynamics, Inc.	14-Oct-22						
L-022-2022/0	Singec, Ilyas		FUJIFILM Cellular Dynamics, Inc.	14-Oct-22						
L-105-2016/1	Alimardanov, Asaf R		Mycovia Pharmaceuticals Inc	17-Oct-22						
L-105-2016/1	Behnke, Mark L.		Mycovia Pharmaceuticals Inc	17-Oct-22						

NIH Patent Licensing Activities
NCATS
November 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total November Income	License Cumulative Income	Inventor Awards November	Net Remaining to IC

NIH Patent Licensing Activities
NCATS
December 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total December Income	License Cumulative Income	Inventor Awards December	Net Remaining to IC
L-076-2018/1	Inglese, James	(b) (4),	Lead Discovery Center GmbH	2-Dec-22						(b) (3) (A), (b) (4), (b) (6)
L-076-2018/1	Jang, Sung-Wook	(b) (6)	Lead Discovery Center GmbH	2-Dec-22						
L-076-2018/1	Svaren, John		Lead Discovery Center GmbH	2-Dec-22						
L-204-2019/0	Bantukallu, Ganesha Rai		Vanderbilt University	28-Dec-22						
L-204-2019/0	Brimacombe, Kyle R.		Vanderbilt University	28-Dec-22						
L-204-2019/0	Hall, Matthew D.		Vanderbilt University	28-Dec-22						
L-204-2019/0	Hu, Xin		Vanderbilt University	28-Dec-22						
L-204-2019/0	Jadhav, Ajit P.		Vanderbilt University	28-Dec-22						
L-204-2019/0	Kouznetsova, Jennifer Lynn		Vanderbilt University	28-Dec-22						
L-204-2019/0	Maloney, David		Vanderbilt University	28-Dec-22						
L-204-2019/0	Mott, Bryan T.		Vanderbilt University	28-Dec-22						
L-204-2019/0	Simeonov, Anton		Vanderbilt University	28-Dec-22						
L-204-2019/0	Urban, Daniel		Vanderbilt University	28-Dec-22						

L-204-2019/0	Yang, Shyh-Ming	(b) (4), (b) (6)	Vanderbilt University	28-Dec-22	(b) (3) (A), (b) (4), (b) (6)
Note: L-204-2019/0 split between NCATS; NCI					
L-264-2020/0	Hall, Matthew D.		Vanderbilt University	28-Dec-22	
L-264-2020/0	Urban, Daniel		Vanderbilt University	28-Dec-22	
Note: L-264-2020/0 split between NCATS; NCI					

NIH Patent Licensing Activities
NCATS
January 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total January Income	License Cumulative Income	Inventor Awards January	Net Remaining to IC
L-057-2015/0	Austin, Christopher P.	(b) (4), (b) (6)	MANDOS, LLC	20-Jan-23						(b) (3) (A), (b) (4), (b) (6)
L-057-2015/0	Liu, Ke		MANDOS, LLC	20-Jan-23						
L-057-2015/0	Marugan, Juan J.		MANDOS, LLC	20-Jan-23						
L-057-2015/0	McKew, John C.		MANDOS, LLC	20-Jan-23						
L-057-2015/0	Southall, Noel T.		MANDOS, LLC	20-Jan-23						
L-057-2015/0	Swaroop, Manju		MANDOS, LLC	20-Jan-23						
L-057-2015/0	Xiao, Jingbo		MANDOS, LLC	20-Jan-23						
L-057-2015/0	Xu, Miao		MANDOS, LLC	20-Jan-23						
L-057-2015/0	Zheng, Wei		MANDOS, LLC	20-Jan-23						
Note: L-057-2015/0 split between NCATS; NHGRI										

NIH Patent Licensing Activities
NCATS
February 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total February Income	License Cumulative Income	Inventor Awards February	Net Remaining to IC
L-116-2013/0	Auld, Douglas S.	(b) (4), (b) (6)	EMD Millipore Corp.	21-Feb-23						(b) (3) (A), (b) (4), (b) (6)
L-116-2013/0	Boxer, Matthew		EMD Millipore Corp.	21-Feb-23						
L-116-2013/0	Inglese, James		EMD Millipore Corp.	21-Feb-23						
L-116-2013/0	Jiang, Jian-kang		EMD Millipore Corp.	21-Feb-23						
L-116-2013/0	Shen, Min		EMD Millipore Corp.	21-Feb-23						
L-116-2013/0	Skoumbourdis, Amanda P.		EMD Millipore Corp.	21-Feb-23						
L-116-2013/0	Thomas, Craig J.		EMD Millipore Corp.	21-Feb-23						
Note: L-116-2013/0 split between NCATS; NHGRI										

NIH Patent Licensing Activities
NCATS
March 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total March Income	License Cumulative Income	Inventor Awards March	Net Remaining to IC
L-128-2016/0	Alimardanov, Asaf R	(b) (4), (b) (6)	Massachusetts General Hospital	17-Mar-23						(b) (3) (A), (b) (4), (b) (6)
L-128-2016/0	Grewal, Gurmit S		Massachusetts General Hospital	17-Mar-23						

L-128-2016/0	Huang, Xiuli	(b) (4), (b) (6)	Massachusetts General Hospital	17-Mar-23	(b) (3) (A), (b) (4), (b) (6)					
L-128-2016/0	Lee, Arthur		Massachusetts General Hospital	17-Mar-23						
L-128-2016/0	McKew, John C.		Massachusetts General Hospital	17-Mar-23						
L-128-2016/0	Patel, Paresma Rasiklal		Massachusetts General Hospital	17-Mar-23						
L-128-2016/0	Sanderson, Philip Edward		Massachusetts General Hospital	17-Mar-23						
L-128-2016/0	Shen, Min		Massachusetts General Hospital	17-Mar-23						
L-128-2016/0	Xu, Xin		Massachusetts General Hospital	17-Mar-23						
L-128-2016/0	Zheng, Wei		Massachusetts General Hospital	17-Mar-23						
L-066-2019/0	Alimardanov, Asaf R		Brigham and Women's Hospital	17-Mar-23						
L-066-2019/0	Huang, Junfeng		Brigham and Women's Hospital	17-Mar-23						
L-066-2019/0	Huang, Wenwei		Brigham and Women's Hospital	17-Mar-23						
L-066-2019/0	Huang, Xiuli		Brigham and Women's Hospital	17-Mar-23						
L-066-2019/0	Jiang, Jian-kang		Brigham and Women's Hospital	17-Mar-23						
L-066-2019/0	Lee, Arthur		Brigham and Women's Hospital	17-Mar-23						
L-066-2019/0	Sanderson, Philip Edward		Brigham and Women's Hospital	17-Mar-23						
L-066-2019/0	Shamim, Khalida		Brigham and Women's Hospital	17-Mar-23						
L-066-2019/0	Tawa, Gregory		Brigham and Women's Hospital	17-Mar-23						
L-066-2019/0	Zheng, Wei		Brigham and Women's Hospital	17-Mar-23						
L-022-2022/0	Chen, Yu		FUJIFILM Cellular Dynamics, Inc.	17-Mar-23						
L-022-2022/0	Deng, Tao		FUJIFILM Cellular Dynamics, Inc.	17-Mar-23						
L-022-2022/0	Jovanovic, Vukasin		FUJIFILM Cellular Dynamics, Inc.	17-Mar-23						
L-022-2022/0	Simeonov, Anton		FUJIFILM Cellular Dynamics, Inc.	17-Mar-23						
L-022-2022/0	Singec, Ilyas		FUJIFILM Cellular Dynamics, Inc.	17-Mar-23						
					$647,404.93	$0.00	$647,404.93	$172,749.45	$474,655.48	

NIH Patent Licensing Activities
NCI
October 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total October Income	License Cumulative Income	Inventor Awards October	Net Remaining to IC
L-080-1993/3	Hathcock, Karen	(b) (4), (b) (6)	BD Biosciences - BD PharMingen, Inc.	4-Oct-22						(b) (3) (A), (b) (4), (b) (6)
L-080-1993/3	Hodes, Richard J		BD Biosciences - BD PharMingen, Inc.	4-Oct-22						
L-080-1993/3	Laszlo, Gloria		BD Biosciences - BD PharMingen, Inc.	4-Oct-22						
L-129-2021/1	Aaronson, Stuart A.		Crown Bioscience Inc.	4-Oct-22						
L-129-2021/1	Bonomi, Carrie A.		Crown Bioscience Inc.	4-Oct-22						
L-129-2021/1	Borgel, Suzanne D.		Crown Bioscience Inc.	4-Oct-22						
L-129-2021/1	Buck, Christopher		Crown Bioscience Inc.	4-Oct-22						
L-129-2021/1	Dougherty, Kelly		Crown Bioscience Inc.	4-Oct-22						
L-129-2021/1	Gazdar, (b) (6) Adi		Crown Bioscience Inc.	4-Oct-22						
L-129-2021/1	Hamilton, Thomas C		Crown Bioscience Inc.	4-Oct-22						
L-129-2021/1	Hollingshead, Melinda G.		Crown Bioscience Inc.	4-Oct-22						
L-129-2021/1	Jainchill, John L.		Crown Bioscience Inc.	4-Oct-22						
L-129-2021/1	Johnson, Bruce E		Crown Bioscience Inc.	4-Oct-22						
L-129-2021/1	Kaye, Frederic J		Crown Bioscience Inc.	4-Oct-22						
L-129-2021/1	Khleif, Samir N.		Crown Bioscience Inc.	4-Oct-22						
L-129-2021/1	Minna, John D.		Crown Bioscience Inc.	4-Oct-22						
L-129-2021/1	Oie, (b) (6) Herbert K		Crown Bioscience Inc.	4-Oct-22						
L-129-2021/1	Ozols, Robert F		Crown Bioscience Inc.	4-Oct-22						
L-129-2021/1	Pass, Harvey I		Crown Bioscience Inc.	4-Oct-22						
L-129-2021/1	Schiller, John T		Crown Bioscience Inc.	4-Oct-22						
L-129-2021/1	Todaro, George J.		Crown Bioscience Inc.	4-Oct-22						
L-099-2022/0	Gazdar, (b) (6) Adi		AbbVie, Inc.	5-Oct-22						
L-099-2022/0	Johnson, Bruce E		AbbVie, Inc.	5-Oct-22						
L-099-2022/0	Kaye, Frederic J		AbbVie, Inc.	5-Oct-22						
L-099-2022/0	Khleif, Samir N.		AbbVie, Inc.	5-Oct-22						
L-099-2022/0	Minna, John D.		AbbVie, Inc.	5-Oct-22						
L-099-2022/0	Oie, (b) (6) Herbert K		AbbVie, Inc.	5-Oct-22						
L-099-2022/0	Pass, Harvey I		AbbVie, Inc.	5-Oct-22						
L-093-2010/1	Chang, Nancy T.		BioLytical Labs	6-Oct-22						
L-093-2010/1	Crowl, Robert		BioLytical Labs	6-Oct-22						
L-093-2010/1	Gallo, Robert C.		BioLytical Labs	6-Oct-22						
L-093-2010/1	(b) (4)		BioLytical Labs	6-Oct-22						
L-093-2010/1	Reddy, E. Premkumar.		BioLytical Labs	6-Oct-22						
L-093-2010/1	Shaw, George M		BioLytical Labs	6-Oct-22						
L-093-2010/1	Wong-Staal Family Tr, The		BioLytical Labs	6-Oct-22						
L-281-2017/0	Bonomi, Carrie A.		Intellia Therapeutics, Inc	6-Oct-22						
L-281-2017/0	Borgel, Suzanne D.		Intellia Therapeutics, Inc	6-Oct-22						
L-281-2017/0	Dougherty, Kelly		Intellia Therapeutics, Inc	6-Oct-22						
L-281-2017/0	Hollingshead, Melinda G.		Intellia Therapeutics, Inc	6-Oct-22						
L-089-2018/0	Franchini, Genoveffa		AGC Biologics	6-Oct-22						
L-089-2018/0	Gallo, Robert C.		AGC Biologics	6-Oct-22						
L-089-2018/0	Kalyanaraman, Vaniambadi S.		AGC Biologics	6-Oct-22						
L-089-2018/0	Markham, Phillip D.		AGC Biologics	6-Oct-22						
L-089-2018/0	Salahuddin, Syed Z.		AGC Biologics	6-Oct-22						
L-089-2018/0	Wong-Staal Family Tr, The		AGC Biologics	6-Oct-22						

L-165-2022/0	Gazdar, (b) (6) Adi	(b) (4), (b) (6)	DISCO Pharmaceuticals GmbH	6-Oct-22	(b) (3) (A), (b) (4), (b) (6)
L-165-2022/0	Johnson, Bruce E		DISCO Pharmaceuticals GmbH	6-Oct-22	
L-165-2022/0	Kaye, Frederic J		DISCO Pharmaceuticals GmbH	6-Oct-22	
L-165-2022/0	Khleif, Samir N.		DISCO Pharmaceuticals GmbH	6-Oct-22	
L-165-2022/0	Minna, John D.		DISCO Pharmaceuticals GmbH	6-Oct-22	
L-165-2022/0	Oie, (b) (6) Herbert K		DISCO Pharmaceuticals GmbH	6-Oct-22	
L-165-2022/0	Pass, Harvey I		DISCO Pharmaceuticals GmbH	6-Oct-22	
L-165-2022/0	Gazdar, (b) (6) Adi		DISCO Pharmaceuticals GmbH	6-Oct-22	
L-165-2022/0	Johnson, Bruce E		DISCO Pharmaceuticals GmbH	6-Oct-22	
L-165-2022/0	Kaye, Frederic J		DISCO Pharmaceuticals GmbH	6-Oct-22	
L-165-2022/0	Khleif, Samir N.		DISCO Pharmaceuticals GmbH	6-Oct-22	
L-165-2022/0	Minna, John D.		DISCO Pharmaceuticals GmbH	6-Oct-22	
L-165-2022/0	Oie, (b) (6) Herbert K		DISCO Pharmaceuticals GmbH	6-Oct-22	
L-165-2022/0	Pass, Harvey I		DISCO Pharmaceuticals GmbH	6-Oct-22	
L-167-2022/0	Bonomi, Carrie A.		Omega Therapeutics, Inc.	7-Oct-22	
L-167-2022/0	Borgel, Suzanne D.		Omega Therapeutics, Inc.	7-Oct-22	
L-167-2022/0	Dougherty, Kelly		Omega Therapeutics, Inc.	7-Oct-22	
L-167-2022/0	Hollingshead, Melinda G.		Omega Therapeutics, Inc.	7-Oct-22	
L-201-2022/0	Copeland, Neal		Assembly Biosciences, Inc.	7-Oct-22	
L-201-2022/0	Costantino, Nina		Assembly Biosciences, Inc.	7-Oct-22	
L-201-2022/0	Court, Donald		Assembly Biosciences, Inc.	7-Oct-22	
L-201-2022/0	Jenkins Copeland, Nancy A		Assembly Biosciences, Inc.	7-Oct-22	
L-201-2022/0	Warming, Soren		Assembly Biosciences, Inc.	7-Oct-22	
L-202-2022/0	Fleming, Bryan		Bio X Cell, LLC	12-Oct-22	
L-202-2022/0	Ho, Mitchell		Bio X Cell, LLC	12-Oct-22	
L-202-2022/0	Li, Nan		Bio X Cell, LLC	12-Oct-22	
L-203-2022/0	Dimitrov, Dimiter S.		Bio X Cell, LLC	12-Oct-22	
L-203-2022/0	Feng, Mingqian		Bio X Cell, LLC	12-Oct-22	
L-203-2022/0	Gao, Wei		Bio X Cell, LLC	12-Oct-22	
L-203-2022/0	Ho, Mitchell		Bio X Cell, LLC	12-Oct-22	
L-203-2022/0	Kim, Heungnam		Bio X Cell, LLC	12-Oct-22	
L-204-2022/0	Gao, Wei		Bio X Cell, LLC	12-Oct-22	
L-204-2022/0	Hassan, Raffit		Bio X Cell, LLC	12-Oct-22	
L-204-2022/0	Ho, Mitchell		Bio X Cell, LLC	12-Oct-22	
L-204-2022/0	Pastan, Ira H.		Bio X Cell, LLC	12-Oct-22	
L-204-2022/0	Phung, Yen T.		Bio X Cell, LLC	12-Oct-22	
L-204-2022/0	Zhang, Yifan		Bio X Cell, LLC	12-Oct-22	
L-205-2022/0	Gao, Wei		Bio X Cell, LLC	12-Oct-22	
L-205-2022/0	Ho, Mitchell		Bio X Cell, LLC	12-Oct-22	
L-205-2022/0	Phung, Yen T.		Bio X Cell, LLC	12-Oct-22	
L-205-2022/0	Zhang, Yifan		Bio X Cell, LLC	12-Oct-22	
L-154-2012/0	Gazdar, (b) (6) Adi		Ventana Medical Systems	14-Oct-22	
L-154-2012/0	Johnson, Bruce E		Ventana Medical Systems	14-Oct-22	
L-154-2012/0	Kaye, Frederic J		Ventana Medical Systems	14-Oct-22	
L-154-2012/0	Khleif, Samir N.		Ventana Medical Systems	14-Oct-22	
L-154-2012/0	Minna, John D.		Ventana Medical Systems	14-Oct-22	
L-154-2012/0	Oie, (b) (6) Herbert K		Ventana Medical Systems	14-Oct-22	
L-154-2012/0	Pass, Harvey I		Ventana Medical Systems	14-Oct-22	

(b) (3) (A), (b) (4), (b) (6)

L-095-2017/1	Bonomi, Carrie A.	(b) (4), (b) (6)	Millennium Pharmaceuticals, Inc.	14-Oct-22
L-095-2017/1	Borgel, Suzanne D.		Millennium Pharmaceuticals, Inc.	14-Oct-22
L-095-2017/1	Dougherty, Kelly		Millennium Pharmaceuticals, Inc.	14-Oct-22
L-095-2017/1	Hollingshead, Melinda G.		Millennium Pharmaceuticals, Inc.	14-Oct-22
L-010-2020/0	Bonomi, Carrie A.		Genentech, Inc.	14-Oct-22
L-010-2020/0	Dougherty, Kelly		Genentech, Inc.	14-Oct-22
L-010-2020/0	Hollingshead, Melinda G.		Genentech, Inc.	14-Oct-22
L-178-2022/0	Bonomi, Carrie A.		Ahn-Gook Pharmaceutical Co. Ltd.	14-Oct-22
L-178-2022/0	Borgel, Suzanne D.		Ahn-Gook Pharmaceutical Co. Ltd.	14-Oct-22
L-178-2022/0	Dougherty, Kelly		Ahn-Gook Pharmaceutical Co. Ltd.	14-Oct-22
L-178-2022/0	Hollingshead, Melinda G.		Ahn-Gook Pharmaceutical Co. Ltd.	14-Oct-22
L-182-2022/0	Gazdar, (b) (6) Adi		Minerva Imaging ApS	14-Oct-22
L-182-2022/0	Johnson, Bruce E		Minerva Imaging ApS	14-Oct-22
L-182-2022/0	Kaye, Frederic J		Minerva Imaging ApS	14-Oct-22
L-182-2022/0	Khleif, Samir N.		Minerva Imaging ApS	14-Oct-22
L-182-2022/0	Minna, John D.		Minerva Imaging ApS	14-Oct-22
L-182-2022/0	Oie, (b) (6) Herbert K		Minerva Imaging ApS	14-Oct-22
L-182-2022/0	Pass, Harvey I		Minerva Imaging ApS	14-Oct-22
L-107-2015/3	Altan-Bonnet, Gregoire		Iovance Biotherapeutics. Inc.	17-Oct-22
L-107-2015/3	Copeland, Amy		Iovance Biotherapeutics. Inc.	17-Oct-22
L-107-2015/3	Dudley, Mark		Iovance Biotherapeutics. Inc.	17-Oct-22
L-107-2015/3	Eil, Robert Langland		Iovance Biotherapeutics. Inc.	17-Oct-22
L-107-2015/3	Gros, Alena		Iovance Biotherapeutics. Inc.	17-Oct-22
L-107-2015/3	Hanada, Kenichi		Iovance Biotherapeutics. Inc.	17-Oct-22
L-107-2015/3	Hinrichs, Christian S.		Iovance Biotherapeutics. Inc.	17-Oct-22
L-107-2015/3	Jin, Benjamin Yongzu		Iovance Biotherapeutics. Inc.	17-Oct-22
L-107-2015/3	Kishton, Rigel Joseph		Iovance Biotherapeutics. Inc.	17-Oct-22
L-107-2015/3	Krishna, Sri		Iovance Biotherapeutics. Inc.	17-Oct-22
L-107-2015/3	Lowery, Frank		Iovance Biotherapeutics. Inc.	17-Oct-22
L-107-2015/3	Morgan, Richard A.		Iovance Biotherapeutics. Inc.	17-Oct-22
L-107-2015/3	Restifo, Nicholas P.		Iovance Biotherapeutics. Inc.	17-Oct-22
L-107-2015/3	Robbins, Paul F		Iovance Biotherapeutics. Inc.	17-Oct-22
L-107-2015/3	Rosenberg, Steven A.		Iovance Biotherapeutics. Inc.	17-Oct-22
L-107-2015/3	Somerville, Robert P.		Iovance Biotherapeutics. Inc.	17-Oct-22
L-107-2015/3	Vodnala, Suman Kumar		Iovance Biotherapeutics. Inc.	17-Oct-22
L-107-2015/3	Wunderlich, John		Iovance Biotherapeutics. Inc.	17-Oct-22
L-107-2015/3	Yang, James Chung-Yin		Iovance Biotherapeutics. Inc.	17-Oct-22
L-107-2015/3	Yoseph, Rami		Iovance Biotherapeutics. Inc.	17-Oct-22
L-107-2015/3	Zhang, Ling		Iovance Biotherapeutics. Inc.	17-Oct-22
Note: L-107-2015/3 split between CC; NCI				
L-107-2015/3	NCI		Iovance Biotherapeutics. Inc.	17-Oct-22
Note: L-107-2015/3 split between CC; NCI				
L-046-2021/0	(b) (4)	(b) (4), (b) (6)	Genentech, Inc.	17-Oct-22
L-046-2021/0	Oberdoerffer, Phillip		Genentech, Inc.	17-Oct-22
L-178-2022/0	Bonomi, Carrie A.		Ahn-Gook Pharmaceutical Co. Ltd.	17-Oct-22
L-178-2022/0	Borgel, Suzanne D.		Ahn-Gook Pharmaceutical Co. Ltd.	17-Oct-22
L-178-2022/0	Dougherty, Kelly		Ahn-Gook Pharmaceutical Co. Ltd.	17-Oct-22
L-178-2022/0	Hollingshead, Melinda G.		Ahn-Gook Pharmaceutical Co. Ltd.	17-Oct-22

		(b) (4), (b) (6)			(b) (3) (A), (b) (4), (b) (6)
L-184-2022/0	Gazdar, (b) (6) Adi		Erasca, Inc.	20-Oct-22	
L-184-2022/0	Johnson, Bruce E		Erasca, Inc.	20-Oct-22	
L-184-2022/0	Kaye, Frederic J		Erasca, Inc.	20-Oct-22	
L-184-2022/0	Khleif, Samir N.		Erasca, Inc.	20-Oct-22	
L-184-2022/0	Minna, John D.		Erasca, Inc.	20-Oct-22	
L-184-2022/0	Oie, (b) (6) Herbert K		Erasca, Inc.	20-Oct-22	
L-184-2022/0	Pass, Harvey I		Erasca, Inc.	20-Oct-22	
L-184-2022/0	Gazdar, (b) (6) Adi		Erasca, Inc.	20-Oct-22	
L-184-2022/0	Johnson, Bruce E		Erasca, Inc.	20-Oct-22	
L-184-2022/0	Kaye, Frederic J		Erasca, Inc.	20-Oct-22	
L-184-2022/0	Khleif, Samir N.		Erasca, Inc.	20-Oct-22	
L-184-2022/0	Minna, John D.		Erasca, Inc.	20-Oct-22	
L-184-2022/0	Oie, (b) (6) Herbert K		Erasca, Inc.	20-Oct-22	
L-184-2022/0	Pass, Harvey I		Erasca, Inc.	20-Oct-22	
L-169-2022/0	Bonomi, Carrie A.		Valo Therapeutics Oy	21-Oct-22	
L-169-2022/0	Borgel, Suzanne D.		Valo Therapeutics Oy	21-Oct-22	
L-169-2022/0	Dougherty, Kelly		Valo Therapeutics Oy	21-Oct-22	
L-169-2022/0	Hollingshead, Melinda G.		Valo Therapeutics Oy	21-Oct-22	
L-169-2022/0	Bonomi, Carrie A.		Valo Therapeutics Oy	21-Oct-22	
L-169-2022/0	Borgel, Suzanne D.		Valo Therapeutics Oy	21-Oct-22	
L-169-2022/0	Dougherty, Kelly		Valo Therapeutics Oy	21-Oct-22	
L-169-2022/0	Hollingshead, Melinda G.		Valo Therapeutics Oy	21-Oct-22	
L-001-2006/0	NCI		Henry Jackson Foundation	24-Oct-22	
L-117-2019/0	Dimitrov, Dimiter S.	(b) (4), (b) (6)	Children's Hospital of Philadelphia	24-Oct-22	
L-117-2019/0	Jelev, Dontcho		Children's Hospital of Philadelphia	24-Oct-22	
L-117-2019/0	Zhu, Zhongyu		Children's Hospital of Philadelphia	24-Oct-22	
L-108-2020/0	Chien, Christopher		ElevateBio	24-Oct-22	
L-108-2020/0	Fry, Terry		ElevateBio	24-Oct-22	
L-098-2022/0	Gazdar, (b) (6) Adi		AbbVie, Inc.	24-Oct-22	
L-098-2022/0	Johnson, Bruce E		AbbVie, Inc.	24-Oct-22	
L-098-2022/0	Kaye, Frederic J		AbbVie, Inc.	24-Oct-22	
L-098-2022/0	Khleif, Samir N.		AbbVie, Inc.	24-Oct-22	
L-098-2022/0	Minna, John D.		AbbVie, Inc.	24-Oct-22	
L-098-2022/0	Oie, (b) (6) Herbert K		AbbVie, Inc.	24-Oct-22	
L-098-2022/0	Pass, Harvey I		AbbVie, Inc.	24-Oct-22	
L-273-2017/0	Bonomi, Carrie A.		Kyowa Hakko Kirin Co., Ltd	25-Oct-22	
L-273-2017/0	Borgel, Suzanne D.		Kyowa Hakko Kirin Co., Ltd	25-Oct-22	
L-273-2017/0	Dougherty, Kelly		Kyowa Hakko Kirin Co., Ltd	25-Oct-22	
L-273-2017/0	Hollingshead, Melinda G.		Kyowa Hakko Kirin Co., Ltd	25-Oct-22	
L-105-2018/1	Bonomi, Carrie A.		Chugai	25-Oct-22	
L-105-2018/1	Borgel, Suzanne D.		Chugai	25-Oct-22	
L-105-2018/1	Dougherty, Kelly		Chugai	25-Oct-22	
L-105-2018/1	Hollingshead, Melinda G.		Chugai	25-Oct-22	
L-001-2023/0	Kochenderfer, James N		Capstan Therapeutics	26-Oct-22	
L-001-2023/0	Kochenderfer, James N		Capstan Therapeutics	26-Oct-22	

(b) (3) (A), (b) (4), (b) (6)

L-177-2022/0	Gazdar, (b) (6) Adi	(b) (4), (b) (6)	Aktis Oncology	27-Oct-22
L-177-2022/0	Johnson, Bruce E		Aktis Oncology	27-Oct-22
L-177-2022/0	Kaye, Frederic J		Aktis Oncology	27-Oct-22
L-177-2022/0	Khleif, Samir N.		Aktis Oncology	27-Oct-22
L-177-2022/0	Minna, John D.		Aktis Oncology	27-Oct-22
L-177-2022/0	Oie, (b) (6) Herbert K		Aktis Oncology	27-Oct-22
L-177-2022/0	Pass, Harvey I		Aktis Oncology	27-Oct-22
L-177-2022/0	Gazdar, (b) (6) Adi		Aktis Oncology	27-Oct-22
L-177-2022/0	Johnson, Bruce E		Aktis Oncology	27-Oct-22
L-177-2022/0	Kaye, Frederic J		Aktis Oncology	27-Oct-22
L-177-2022/0	Khleif, Samir N.		Aktis Oncology	27-Oct-22
L-177-2022/0	Minna, John D.		Aktis Oncology	27-Oct-22
L-177-2022/0	Oie, (b) (6) Herbert K		Aktis Oncology	27-Oct-22
L-177-2022/0	Pass, Harvey I		Aktis Oncology	27-Oct-22
L-188-2022/0	Fleming, Bryan		Cell Signaling Technology, Inc.	27-Oct-22
L-188-2022/0	Ho, Mitchell		Cell Signaling Technology, Inc.	27-Oct-22
L-188-2022/0	Li, Nan		Cell Signaling Technology, Inc.	27-Oct-22
L-006-2023/0	Costantino, Nina		Arrakis Therapeutics, Inc.	27-Oct-22
L-006-2023/0	Court, Donald		Arrakis Therapeutics, Inc.	27-Oct-22
L-006-2023/0	Costantino, Nina		Arrakis Therapeutics, Inc.	27-Oct-22
L-006-2023/0	Court, Donald		Arrakis Therapeutics, Inc.	27-Oct-22
L-064-2011/0	Barry, Todd		Eptiomics Inc	28-Oct-22
L-064-2011/0	Rosenwald, Andreas		Eptiomics Inc	28-Oct-22
L-064-2011/0	Staudt, Louis M		Eptiomics Inc	28-Oct-22
L-064-2011/0	Wiestner, Adrian		Eptiomics Inc	28-Oct-22
L-064-2011/0	Wilson, Wyndham H.		Eptiomics Inc	28-Oct-22
L-127-2011/2	NCI		Bavarian Nordic Inc	28-Oct-22
L-347-2014/0	Muchmore, Brian P.	(b) (4), (b) (6)	Abcam, plc	28-Oct-22
L-347-2014/0	O'Brien, Thomas R		Abcam, plc	28-Oct-22
L-347-2014/0	Porter-Gill, Patricia A.		Abcam, plc	28-Oct-22
L-347-2014/0	Prokunina-Olsson, Ludmila		Abcam, plc	28-Oct-22
Note: L-347-2014/0 split between FDA; NCI				
L-232-2019/0	Palena, Claudia		Abcam plc	28-Oct-22
L-232-2019/0	Schlom, Jeffrey		Abcam plc	28-Oct-22
L-052-2022/0	Antignani, Antonella		ADC Therapeutics SA	28-Oct-22
L-052-2022/0	Fitzgerald, David J.		ADC Therapeutics SA	28-Oct-22
L-052-2022/0	Ho, Eric Chun Hei		ADC Therapeutics SA	28-Oct-22
L-052-2022/0	Sarnovsky, Robert		ADC Therapeutics SA	28-Oct-22
L-274-2018/0	Gros, Alena		Cellular Biomedicine Group, Inc.	31-Oct-22
L-274-2018/0	Rosenberg, Steven A.		Cellular Biomedicine Group, Inc.	31-Oct-22
L-132-2022/0	Gazdar, (b) (6) Adi		Vevo Therapeutics, Inc.	31-Oct-22
L-132-2022/0	Johnson, Bruce E		Vevo Therapeutics, Inc.	31-Oct-22
L-132-2022/0	Kaye, Frederic J		Vevo Therapeutics, Inc.	31-Oct-22
L-132-2022/0	Khleif, Samir N.		Vevo Therapeutics, Inc.	31-Oct-22
L-132-2022/0	Minna, John D.		Vevo Therapeutics, Inc.	31-Oct-22
L-132-2022/0	Oie, (b) (6) Herbert K		Vevo Therapeutics, Inc.	31-Oct-22

L-132-2022/0	Pass, Harvey I	(b) (4), (b) (6)	Vevo Therapeutics, Inc.	31-Oct-22	(b) (3) (A), (b) (4), (b) (6)
L-132-2022/0	Gazdar, (b) (6) Adi		Vevo Therapeutics, Inc.	31-Oct-22	
L-132-2022/0	Johnson, Bruce E		Vevo Therapeutics, Inc.	31-Oct-22	
L-132-2022/0	Kaye, Frederic J		Vevo Therapeutics, Inc.	31-Oct-22	
L-132-2022/0	Khleif, Samir N.		Vevo Therapeutics, Inc.	31-Oct-22	
L-132-2022/0	Minna, John D.		Vevo Therapeutics, Inc.	31-Oct-22	
L-132-2022/0	Oie, (b) (6) Herbert K		Vevo Therapeutics, Inc.	31-Oct-22	
L-132-2022/0	Pass, Harvey I		Vevo Therapeutics, Inc.	31-Oct-22	
L-132-2022/0	Gazdar, (b) (6) Adi		Vevo Therapeutics, Inc.	31-Oct-22	
L-132-2022/0	Johnson, Bruce E		Vevo Therapeutics, Inc.	31-Oct-22	
L-132-2022/0	Kaye, Frederic J		Vevo Therapeutics, Inc.	31-Oct-22	
L-132-2022/0	Khleif, Samir N.		Vevo Therapeutics, Inc.	31-Oct-22	
L-132-2022/0	Minna, John D.		Vevo Therapeutics, Inc.	31-Oct-22	
L-132-2022/0	Oie, (b) (6) Herbert K		Vevo Therapeutics, Inc.	31-Oct-22	
L-132-2022/0	Pass, Harvey I		Vevo Therapeutics, Inc.	31-Oct-22	
L-132-2022/0	Gazdar, (b) (6) Adi		Vevo Therapeutics, Inc.	31-Oct-22	
L-132-2022/0	Johnson, Bruce E		Vevo Therapeutics, Inc.	31-Oct-22	
L-132-2022/0	Kaye, Frederic J		Vevo Therapeutics, Inc.	31-Oct-22	
L-132-2022/0	Khleif, Samir N.		Vevo Therapeutics, Inc.	31-Oct-22	
L-132-2022/0	Minna, John D.		Vevo Therapeutics, Inc.	31-Oct-22	
L-132-2022/0	Oie, (b) (6) Herbert K		Vevo Therapeutics, Inc.	31-Oct-22	
L-132-2022/0	Pass, Harvey I		Vevo Therapeutics, Inc.	31-Oct-22	

NIH Patent Licensing Activities
NCI
November 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total November Income	License Cumulative Income	Inventor Awards November	Net Remaining to IC
L-093-2010/1	Chang, Nancy T.	(b) (4), (b) (6)	BioLytical Labs	1-Nov-22						(b) (3) (A), (b) (4), (b) (6)
L-093-2010/1	Crowl, Robert		BioLytical Labs	1-Nov-22						
L-093-2010/1	Gallo, Robert C.		BioLytical Labs	1-Nov-22						
L-093-2010/1	(b) (4)		BioLytical Labs	1-Nov-22						
L-093-2010/1	Reddy, E. Premkumar.		BioLytical Labs	1-Nov-22						
L-093-2010/1	Shaw, George M		BioLytical Labs	1-Nov-22						
L-093-2010/1	Wong-Staal (b) (6)		BioLytical Labs	1-Nov-22						
L-099-2012/0	Gazdar, (b) (6) Adi		Ventana Medical Systems Inc	1-Nov-22						
L-099-2012/0	Johnson, Bruce E		Ventana Medical Systems Inc	1-Nov-22						
L-099-2012/0	Kaye, Frederic J		Ventana Medical Systems Inc	1-Nov-22						
L-099-2012/0	Khleif, Samir N.		Ventana Medical Systems Inc	1-Nov-22						
L-099-2012/0	Minna, John D.		Ventana Medical Systems Inc	1-Nov-22						
L-099-2012/0	Oie, (b) (6) Herbert K		Ventana Medical Systems Inc	1-Nov-22						
L-099-2012/0	Pass, Harvey I		Ventana Medical Systems Inc	1-Nov-22						
L-086-2015/0	Hanada, Kenichi		Compugen, Ltd.	2-Nov-22						
L-086-2015/0	Rosenberg, Steven A.		Compugen, Ltd.	2-Nov-22						
L-086-2015/0	Topalian, Suzanne L.		Compugen, Ltd.	2-Nov-22						
L-086-2015/0	Yang, James Chung-Yin		Compugen, Ltd.	2-Nov-22						
L-086-2015/0	Yu, Zhiya		Compugen, Ltd.	2-Nov-22						
L-079-2020/0	Gazdar, (b) (6) Adi		Turning Point Therapeutics	2-Nov-22						

		(b) (4), (b) (6)			(b) (3) (A), (b) (4), (b) (6)
L-079-2020/0	Johnson, Bruce E		Turning Point Therapeutics	2-Nov-22	
L-079-2020/0	Kaye, Frederic J		Turning Point Therapeutics	2-Nov-22	
L-079-2020/0	Khleif, Samir N.		Turning Point Therapeutics	2-Nov-22	
L-079-2020/0	Minna, John D.		Turning Point Therapeutics	2-Nov-22	
L-079-2020/0	Oie, (b) (6) Herbert K		Turning Point Therapeutics	2-Nov-22	
L-079-2020/0	Pass, Harvey I		Turning Point Therapeutics	2-Nov-22	
L-220-2022/0	Gazdar, (b) (6) Adi		Pfizer Inc.	2-Nov-22	
L-220-2022/0	Johnson, Bruce E		Pfizer Inc.	2-Nov-22	
L-220-2022/0	Kaye, Frederic J		Pfizer Inc.	2-Nov-22	
L-220-2022/0	Khleif, Samir N.		Pfizer Inc.	2-Nov-22	
L-220-2022/0	Minna, John D.		Pfizer Inc.	2-Nov-22	
L-220-2022/0	Oie, (b) (6) Herbert K		Pfizer Inc.	2-Nov-22	
L-220-2022/0	Pass, Harvey I		Pfizer Inc.	2-Nov-22	
L-294-2019/0	NCI		Fannin Partners, LLC	3-Nov-22	
L-201-2022/0	Copeland, Neal	(b) (4), (b) (6)	Assembly Biosciences, Inc.	4-Nov-22	
L-201-2022/0	Costantino, Nina		Assembly Biosciences, Inc.	4-Nov-22	
L-201-2022/0	Court, Donald		Assembly Biosciences, Inc.	4-Nov-22	
L-201-2022/0	Jenkins Copeland, Nancy A		Assembly Biosciences, Inc.	4-Nov-22	
L-201-2022/0	Warming, Soren		Assembly Biosciences, Inc.	4-Nov-22	
L-180-2021/0	Esposito, Dominic		Vertex Pharmaceuticals (Europe) Limited	7-Nov-22	
L-180-2021/0	Grose, Carissa L.		Vertex Pharmaceuticals (Europe) Limited	7-Nov-22	
L-160-2010/1	Jelinek, Ivett		Bio-Rad AbD Serotec Limited	8-Nov-22	
L-160-2010/1	Segal, David M.		Bio-Rad AbD Serotec Limited	8-Nov-22	
L-160-2010/1	Wang, Yan		Bio-Rad AbD Serotec Limited	8-Nov-22	
L-039-2011/0	Onda, Masanori		Rockland Immunochemicals, Inc.	8-Nov-22	
L-039-2011/0	Pastan, Ira H.		Rockland Immunochemicals, Inc.	8-Nov-22	
L-189-2016/0	Kirnbauer, Reinhard		HIPRA Scienctific	9-Nov-22	
L-189-2016/0	Lowy, Douglas R.		HIPRA Scienctific	9-Nov-22	
L-189-2016/0	Roden, Richard B.		HIPRA Scienctific	9-Nov-22	
L-189-2016/0	Schiller, John T		HIPRA Scienctific	9-Nov-22	
L-325-2017/0	NCI		Diagnostic BioSystems	9-Nov-22	
L-162-2017/1	Bonomi, Carrie A.	(b) (4), (b) (6)	Daiichi Sankyo Co., Ltd.	10-Nov-22	
L-162-2017/1	Dougherty, Kelly		Daiichi Sankyo Co., Ltd.	10-Nov-22	
L-162-2017/1	Hollingshead, Melinda G.		Daiichi Sankyo Co., Ltd.	10-Nov-22	
L-201-2020/0	NCI		Navrogen Inc	10-Nov-22	
L-095-2021/0	Aplan, Peter D.	(b) (4), (b) (6)	Daiichi Sankyo Co., Ltd.	10-Nov-22	
L-095-2021/0	Lin, Ying-Wei		Daiichi Sankyo Co., Ltd.	10-Nov-22	
L-095-2021/0	Slape, Christopher I.		Daiichi Sankyo Co., Ltd.	10-Nov-22	
L-095-2021/0	Zhang, ZhenHua		Daiichi Sankyo Co., Ltd.	10-Nov-22	
L-199-2022/0	Gazdar, (b) (6) Adi		Bristol-Myers Squibb Company	10-Nov-22	
L-199-2022/0	Johnson, Bruce E		Bristol-Myers Squibb Company	10-Nov-22	
L-199-2022/0	Kaye, Frederic J		Bristol-Myers Squibb Company	10-Nov-22	
L-199-2022/0	Khleif, Samir N.		Bristol-Myers Squibb Company	10-Nov-22	
L-199-2022/0	Minna, John D.		Bristol-Myers Squibb Company	10-Nov-22	
L-199-2022/0	Oie, (b) (6) Herbert K		Bristol-Myers Squibb Company	10-Nov-22	

(b) (3) (A), (b) (4), (b) (6)

L-199-2022/0	Pass, Harvey I	(b) (4), (b) (6)	Bristol-Myers Squibb Company	10-Nov-22
L-206-2021/2	Gazdar, (b) (6) Adi		Incyclix Bio, LLC	14-Nov-22
L-206-2021/2	Johnson, Bruce E		Incyclix Bio, LLC	14-Nov-22
L-206-2021/2	Kaye, Frederic J		Incyclix Bio, LLC	14-Nov-22
L-206-2021/2	Khleif, Samir N.		Incyclix Bio, LLC	14-Nov-22
L-206-2021/2	Minna, John D.		Incyclix Bio, LLC	14-Nov-22
L-206-2021/2	Oie, (b) (6) Herbert K		Incyclix Bio, LLC	14-Nov-22
L-206-2021/2	Pass, Harvey I		Incyclix Bio, LLC	14-Nov-22
L-154-2012/0	Gazdar, (b) (6) Adi		Ventana Medical Systems	15-Nov-22
L-154-2012/0	Johnson, Bruce E		Ventana Medical Systems	15-Nov-22
L-154-2012/0	Kaye, Frederic J		Ventana Medical Systems	15-Nov-22
L-154-2012/0	Khleif, Samir N.		Ventana Medical Systems	15-Nov-22
L-154-2012/0	Minna, John D.		Ventana Medical Systems	15-Nov-22
L-154-2012/0	Oie, (b) (6) Herbert K		Ventana Medical Systems	15-Nov-22
L-154-2012/0	Pass, Harvey I		Ventana Medical Systems	15-Nov-22
L-189-2022/0	Chen, Weizao		Gilead Sciences, Inc.	15-Nov-22
L-189-2022/0	Dimitrov, Dimiter S.		Gilead Sciences, Inc.	15-Nov-22
L-211-2022/0	Doroshow, James H.		Regeneron Pharmaceuticals, Inc.	16-Nov-22
L-211-2022/0	Navas, Mario Antonio		Regeneron Pharmaceuticals, Inc.	16-Nov-22
L-211-2022/0	Parchment, Ralph E.		Regeneron Pharmaceuticals, Inc.	16-Nov-22
L-211-2022/0	Pfister, Thomas D.		Regeneron Pharmaceuticals, Inc.	16-Nov-22
L-211-2022/0	Srivastava, Apurva		Regeneron Pharmaceuticals, Inc.	16-Nov-22
L-218-2022/0	Fleming, Bryan		Eureka Therapeutics, Inc.	16-Nov-22
L-218-2022/0	Ho, Mitchell		Eureka Therapeutics, Inc.	16-Nov-22
L-218-2022/0	Li, Dan		Eureka Therapeutics, Inc.	16-Nov-22
L-218-2022/0	Li, Nan		Eureka Therapeutics, Inc.	16-Nov-22
L-218-2022/0	NCI		Eureka Therapeutics, Inc.	16-Nov-22
L-213-2022/0	Hamilton, Thomas C	(b) (4), (b) (6)	Xencor, Inc.	17-Nov-22
L-213-2022/0	Ozols, Robert F		Xencor, Inc.	17-Nov-22
L-155-2022/0	Bonomi, Carrie A.		Bicara Therapeutics Inc.	18-Nov-22
L-155-2022/0	Borgel, Suzanne D.		Bicara Therapeutics Inc.	18-Nov-22
L-155-2022/0	Dougherty, Kelly		Bicara Therapeutics Inc.	18-Nov-22
L-155-2022/0	Hollingshead, Melinda G.		Bicara Therapeutics Inc.	18-Nov-22
L-019-2023/0	Gazdar, (b) (6) Adi		Exelixis, Inc.	18-Nov-22
L-019-2023/0	Johnson, Bruce E		Exelixis, Inc.	18-Nov-22
L-019-2023/0	Kaye, Frederic J		Exelixis, Inc.	18-Nov-22
L-019-2023/0	Khleif, Samir N.		Exelixis, Inc.	18-Nov-22
L-019-2023/0	Minna, John D.		Exelixis, Inc.	18-Nov-22
L-019-2023/0	Oie, (b) (6) Herbert K		Exelixis, Inc.	18-Nov-22
L-019-2023/0	Pass, Harvey I		Exelixis, Inc.	18-Nov-22
L-061-2021/0	Bonomi, Carrie A.		Amunix Pharmaceuticals, Inc.	21-Nov-22
L-061-2021/0	Borgel, Suzanne D.		Amunix Pharmaceuticals, Inc.	21-Nov-22
L-061-2021/0	Dougherty, Kelly		Amunix Pharmaceuticals, Inc.	21-Nov-22
L-061-2021/0	Hollingshead, Melinda G.		Amunix Pharmaceuticals, Inc.	21-Nov-22
L-249-2021/1	Gazdar, (b) (6) Adi		Ventana Medical Systems, Inc.	21-Nov-22
L-249-2021/1	Johnson, Bruce E		Ventana Medical Systems, Inc.	21-Nov-22

(b) (3) (A), (b) (4), (b) (6)

L-249-2021/1	Kaye, Frederic J	(b) (4), (b) (6)	Ventana Medical Systems, Inc.	21-Nov-22
L-249-2021/1	Khleif, Samir N.		Ventana Medical Systems, Inc.	21-Nov-22
L-249-2021/1	Minna, John D.		Ventana Medical Systems, Inc.	21-Nov-22
L-249-2021/1	Oie, (b) (6) Herbert K		Ventana Medical Systems, Inc.	21-Nov-22
L-249-2021/1	Pass, Harvey I		Ventana Medical Systems, Inc.	21-Nov-22
L-023-2023/0	Gazdar, (b) (6) Adi		Ventana Medical Systems, Inc.	21-Nov-22
L-023-2023/0	Johnson, Bruce E		Ventana Medical Systems, Inc.	21-Nov-22
L-023-2023/0	Kaye, Frederic J		Ventana Medical Systems, Inc.	21-Nov-22
L-023-2023/0	Khleif, Samir N.		Ventana Medical Systems, Inc.	21-Nov-22
L-023-2023/0	Minna, John D.		Ventana Medical Systems, Inc.	21-Nov-22
L-023-2023/0	Oie, (b) (6) Herbert K		Ventana Medical Systems, Inc.	21-Nov-22
L-023-2023/0	Pass, Harvey I		Ventana Medical Systems, Inc.	21-Nov-22
L-028-2023/0	Bonomi, Carrie A.		Kineta, Inc.	21-Nov-22
L-028-2023/0	Borgel, Suzanne D.		Kineta, Inc.	21-Nov-22
L-028-2023/0	Dougherty, Kelly		Kineta, Inc.	21-Nov-22
L-028-2023/0	Hollingshead, Melinda G.		Kineta, Inc.	21-Nov-22
L-028-2023/0	Bonomi, Carrie A.		Kineta, Inc.	21-Nov-22
L-028-2023/0	Borgel, Suzanne D.		Kineta, Inc.	21-Nov-22
L-028-2023/0	Dougherty, Kelly		Kineta, Inc.	21-Nov-22
L-028-2023/0	Hollingshead, Melinda G.		Kineta, Inc.	21-Nov-22
L-028-2023/0	Bonomi, Carrie A.		Kineta, Inc.	21-Nov-22
L-028-2023/0	Borgel, Suzanne D.		Kineta, Inc.	21-Nov-22
L-028-2023/0	Dougherty, Kelly		Kineta, Inc.	21-Nov-22
L-028-2023/0	Hollingshead, Melinda G.		Kineta, Inc.	21-Nov-22
L-010-2009/2	Felber, Barbara K.		Taimed Biologics USA	22-Nov-22
L-010-2009/2	Pavlakis, George N		Taimed Biologics USA	22-Nov-22
L-308-2017/0	Fowler, Daniel		Rapa Therapeutics LLC	22-Nov-22
L-308-2017/0	Gress, Ronald E.		Rapa Therapeutics LLC	22-Nov-22
L-308-2017/0	Jung, Unsu		Rapa Therapeutics LLC	22-Nov-22
L-224-2015/1	Kochenderfer, James N		2seventy bio	23-Nov-22
L-199-2016/0	Schiller, John T		STC.UNM	23-Nov-22
Note: L-199-2016/0 split between NCI; NHLBI				
L-188-2019/0	Schlom, Jeffrey		Good Therapeutics, Inc	23-Nov-22
L-222-2020/1	NCI		Senti Biosciences, Inc.	23-Nov-22
L-208-2013/0	Bernardo, Marcelino L. (b)	(b) (4), (b) (6)	Rakuten Medical	25-Nov-22
L-208-2013/0	Choyke, Peter L		Rakuten Medical	25-Nov-22
L-208-2013/0	Kobayashi, Hisataka		Rakuten Medical	25-Nov-22
L-208-2013/0	Mitsunaga, Makoto		Rakuten Medical	25-Nov-22
L-015-2020/0	Hamilton, Thomas C		Daiichi Sankyo Co., Ltd.	25-Nov-22
L-015-2020/0	Ozols, Robert F		Daiichi Sankyo Co., Ltd.	25-Nov-22
L-120-2020/1	Gazdar, (b) (6) Adi		Daiichi Sankyo Co., Ltd	25-Nov-22
L-120-2020/1	Johnson, Bruce E		Daiichi Sankyo Co., Ltd	25-Nov-22
L-120-2020/1	Kaye, Frederic J		Daiichi Sankyo Co., Ltd	25-Nov-22
L-120-2020/1	Khleif, Samir N.		Daiichi Sankyo Co., Ltd	25-Nov-22

L-120-2020/1	Minna, John D.	(b) (4), (b) (6)	Daiichi Sankyo Co., Ltd	25-Nov-22	(b) (3) (A), (b) (4), (b) (6)
L-120-2020/1	Oie, (b) (6) Herbert K		Daiichi Sankyo Co., Ltd	25-Nov-22	
L-120-2020/1	Pass, Harvey I		Daiichi Sankyo Co., Ltd	25-Nov-22	
L-035-2021/1	Gazdar, (b) (6) Adi		Daiichi Sankyo Co., Ltd.	25-Nov-22	
L-035-2021/1	Johnson, Bruce E		Daiichi Sankyo Co., Ltd.	25-Nov-22	
L-035-2021/1	Kaye, Frederic J		Daiichi Sankyo Co., Ltd.	25-Nov-22	
L-035-2021/1	Khleif, Samir N.		Daiichi Sankyo Co., Ltd.	25-Nov-22	
L-035-2021/1	Minna, John D.		Daiichi Sankyo Co., Ltd.	25-Nov-22	
L-035-2021/1	Oie, (b) (6) Herbert K		Daiichi Sankyo Co., Ltd.	25-Nov-22	
L-035-2021/1	Pass, Harvey I		Daiichi Sankyo Co., Ltd.	25-Nov-22	
L-004-2022/1	Gazdar, (b) (6) Adi		IRBM Spa	25-Nov-22	
L-004-2022/1	Johnson, Bruce E		IRBM Spa	25-Nov-22	
L-004-2022/1	Kaye, Frederic J		IRBM Spa	25-Nov-22	
L-004-2022/1	Khleif, Samir N.		IRBM Spa	25-Nov-22	
L-004-2022/1	Minna, John D.		IRBM Spa	25-Nov-22	
L-004-2022/1	Oie, (b) (6) Herbert K		IRBM Spa	25-Nov-22	
L-004-2022/1	Pass, Harvey I		IRBM Spa	25-Nov-22	
L-083-2022/0	Bonomi, Carrie A.		Corner Therapeutics	25-Nov-22	
L-083-2022/0	Borgel, Suzanne D.		Corner Therapeutics	25-Nov-22	
L-083-2022/0	Dougherty, Kelly		Corner Therapeutics	25-Nov-22	
L-083-2022/0	Hollingshead, Melinda G.		Corner Therapeutics	25-Nov-22	
L-170-2022/0	Bonomi, Carrie A.		Daiichi Sankyo Co., Ltd.	25-Nov-22	
L-170-2022/0	Borgel, Suzanne D.		Daiichi Sankyo Co., Ltd.	25-Nov-22	
L-170-2022/0	Dougherty, Kelly		Daiichi Sankyo Co., Ltd.	25-Nov-22	
L-170-2022/0	Hollingshead, Melinda G.		Daiichi Sankyo Co., Ltd.	25-Nov-22	
L-198-2022/0	Gazdar, (b) (6) Adi		Sanquin Diagnostiek B.V.	25-Nov-22	
L-198-2022/0	Johnson, Bruce E		Sanquin Diagnostiek B.V.	25-Nov-22	
L-198-2022/0	Kaye, Frederic J		Sanquin Diagnostiek B.V.	25-Nov-22	
L-198-2022/0	Khleif, Samir N.		Sanquin Diagnostiek B.V.	25-Nov-22	
L-198-2022/0	Minna, John D.		Sanquin Diagnostiek B.V.	25-Nov-22	
L-198-2022/0	Oie, (b) (6) Herbert K		Sanquin Diagnostiek B.V.	25-Nov-22	
L-198-2022/0	Pass, Harvey I		Sanquin Diagnostiek B.V.	25-Nov-22	
L-273-2014/0	Chang, Nancy T.		Grifols Worldwide Operations Ltd.	28-Nov-22	
L-273-2014/0	Crowl, Robert		Grifols Worldwide Operations Ltd.	28-Nov-22	
L-273-2014/0	Fisher, Amanda G.		Grifols Worldwide Operations Ltd.	28-Nov-22	
L-273-2014/0	Gallo, Robert C.		Grifols Worldwide Operations Ltd.	28-Nov-22	
L-273-2014/0	Hahn, Beatrice		Grifols Worldwide Operations Ltd.	28-Nov-22	
L-273-2014/0	Popovic, Mikulas		Grifols Worldwide Operations Ltd.	28-Nov-22	
L-273-2014/0	Reddy, E. Premkumar.		Grifols Worldwide Operations Ltd.	28-Nov-22	
L-273-2014/0	Sarngadharan, Mangalasseril		Grifols Worldwide Operations Ltd.	28-Nov-22	
L-273-2014/0	Shaw, George M		Grifols Worldwide Operations Ltd.	28-Nov-22	
L-273-2014/0	Wong-Staal (b) (6)		Grifols Worldwide Operations Ltd.	28-Nov-22	
L-030-2018/0	Bonomi, Carrie A.		23andMe Therapeutics	28-Nov-22	
L-030-2018/0	Borgel, Suzanne D.		23andMe Therapeutics	28-Nov-22	
L-030-2018/0	Dougherty, Kelly		23andMe Therapeutics	28-Nov-22	
L-030-2018/0	Hollingshead, Melinda G.		23andMe Therapeutics	28-Nov-22	
L-063-2021/0	Gazdar, (b) (6) Adi		Janssen Research & Development, LLC	28-Nov-22	
L-063-2021/0	Johnson, Bruce E		Janssen Research & Development, LLC	28-Nov-22	
L-063-2021/0	Kaye, Frederic J		Janssen Research & Development, LLC	28-Nov-22	

(b) (3) (A), (b) (4), (b) (6)

L-063-2021/0	Khleif, Samir N.	(b) (4), (b) (6)	Janssen Research & Development, LLC	28-Nov-22
L-063-2021/0	Minna, John D.		Janssen Research & Development, LLC	28-Nov-22
L-063-2021/0	Oie, (b) (6) Herbert K		Janssen Research & Development, LLC	28-Nov-22
L-063-2021/0	Pass, Harvey I		Janssen Research & Development, LLC	28-Nov-22
L-117-1995/2	Hathcock, Karen		Southern Biotechnology Associates, Inc.	29-Nov-22
L-117-1995/2	Hodes, Richard J		Southern Biotechnology Associates, Inc.	29-Nov-22
L-117-1995/2	Laszlo, Gloria		Southern Biotechnology Associates, Inc.	29-Nov-22
Note: L-117-1995/2 split between NCI; NIA				
L-047-2006/2	Chang, Nancy T.		Chembio Diagnostic	29-Nov-22
L-047-2006/2	Crowl, Robert		Chembio Diagnostic	29-Nov-22
L-047-2006/2	Gallo, Robert C.		Chembio Diagnostic	29-Nov-22
L-047-2006/2	(b) (4)		Chembio Diagnostic	29-Nov-22
L-047-2006/2	Reddy, E. Premkumar.		Chembio Diagnostic	29-Nov-22
L-047-2006/2	Shaw, George M		Chembio Diagnostic	29-Nov-22
L-047-2006/2	Wong-Staal (b) (6)		Chembio Diagnostic	29-Nov-22
L-075-2013/2	Franchini, Genoveffa		WuXi Advanced Therapies, Inc.	29-Nov-22
L-075-2013/2	Gallo, Robert C.		WuXi Advanced Therapies, Inc.	29-Nov-22
L-075-2013/2	Kalyanaraman, Vaniambadi S.		WuXi Advanced Therapies, Inc.	29-Nov-22
L-075-2013/2	Markham, Phillip D.		WuXi Advanced Therapies, Inc.	29-Nov-22
L-075-2013/2	Salahuddin, Syed Z.		WuXi Advanced Therapies, Inc.	29-Nov-22
L-075-2013/2	Wong-Staal (b) (6)		WuXi Advanced Therapies, Inc.	29-Nov-22
L-057-2019/1	Bonomi, Carrie A.		Surface Oncology, Inc.	29-Nov-22
L-057-2019/1	Borgel, Suzanne D.		Surface Oncology, Inc.	29-Nov-22
L-057-2019/1	Dougherty, Kelly		Surface Oncology, Inc.	29-Nov-22
L-057-2019/1	Hollingshead, Melinda G.		Surface Oncology, Inc.	29-Nov-22
L-095-2019/0	Bonomi, Carrie A.		Marengo Therapeutics, Inc.	29-Nov-22
L-095-2019/0	Dougherty, Kelly		Marengo Therapeutics, Inc.	29-Nov-22
L-095-2019/0	Hollingshead, Melinda G.		Marengo Therapeutics, Inc.	29-Nov-22
L-228-2021/0	Beyer, Rachel K. B.		Unnatural Products Inc.	29-Nov-22
L-228-2021/0	(b) (4)		Unnatural Products Inc.	29-Nov-22
L-228-2021/0	Holderfield, Matthew T.		Unnatural Products Inc.	29-Nov-22
L-228-2021/0	Soppet, Dan		Unnatural Products Inc.	29-Nov-22
L-234-2021/0	Bonomi, Carrie A.		Yakult Central Institute	29-Nov-22
L-234-2021/0	Borgel, Suzanne D.		Yakult Central Institute	29-Nov-22
L-234-2021/0	Dougherty, Kelly		Yakult Central Institute	29-Nov-22
L-234-2021/0	Hollingshead, Melinda G.		Yakult Central Institute	29-Nov-22
L-039-2022/0	Beyer, Rachel K. B.		Boragen, Inc.	29-Nov-22
L-039-2022/0	(b) (4)		Boragen, Inc.	29-Nov-22
L-039-2022/0	Holderfield, Matthew T.		Boragen, Inc.	29-Nov-22
L-039-2022/0	Soppet, Dan		Boragen, Inc.	29-Nov-22
L-065-2022/1	Columbus, John Milton		Quanta Therapeutics, Inc.	29-Nov-22
L-065-2022/1	Esposito, Dominic		Quanta Therapeutics, Inc.	29-Nov-22
L-065-2022/1	Turbyville, Thomas Jefferson		Quanta Therapeutics, Inc.	29-Nov-22
L-181-2018/1	Bonomi, Carrie A.		ModernaTX, Inc.	30-Nov-22
L-181-2018/1	Borgel, Suzanne D.		ModernaTX, Inc.	30-Nov-22
L-181-2018/1	Dougherty, Kelly		ModernaTX, Inc.	30-Nov-22
L-181-2018/1	Hollingshead, Melinda G.		ModernaTX, Inc.	30-Nov-22

L-031-2021/0	NCI		Caprico Biotechnologies, Inc	30-Nov-22	(b) (3) (A), (b) (4), (b) (6)
L-189-2022/0	Chen, Weizao	(b) (4), (b) (6)	Gilead Sciences, Inc.	30-Nov-22	
L-189-2022/0	Dimitrov, Dimiter S.		Gilead Sciences, Inc.	30-Nov-22	

NIH Patent Licensing Activities
NCI
December 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total December Income	License Cumulative Income	Inventor Awards December	Net Remaining to IC
L-052-2018/2	Gros, Alena	(b) (4), (b) (6)	MedGene Therapeutics, Inc.	1-Dec-22	(b) (3) (A), (b) (4), (b) (6)					
L-052-2018/2	Rosenberg, Steven A.		MedGene Therapeutics, Inc.	1-Dec-22						
L-057-2019/1	Bonomi, Carrie A.		Surface Oncology, Inc.	1-Dec-22						
L-057-2019/1	Borgel, Suzanne D.		Surface Oncology, Inc.	1-Dec-22						
L-057-2019/1	Dougherty, Kelly		Surface Oncology, Inc.	1-Dec-22						
L-057-2019/1	Hollingshead, Melinda G.		Surface Oncology, Inc.	1-Dec-22						
L-225-2019/0	Gallo, Robert C.		Biotest AG	1-Dec-22						
L-225-2019/0	Popovic, Mikulas		Biotest AG	1-Dec-22						
L-230-2021/0	Bonomi, Carrie A.		The Jackson Laboratory	1-Dec-22						
L-230-2021/0	Borgel, Suzanne D.		The Jackson Laboratory	1-Dec-22						
L-230-2021/0	Dougherty, Kelly		The Jackson Laboratory	1-Dec-22						
L-230-2021/0	Hollingshead, Melinda G.		The Jackson Laboratory	1-Dec-22						
L-072-2022/0	Bonomi, Carrie A.		Cantargia AB	1-Dec-22						
L-072-2022/0	Borgel, Suzanne D.		Cantargia AB	1-Dec-22						
L-072-2022/0	Dougherty, Kelly		Cantargia AB	1-Dec-22						
L-072-2022/0	Hollingshead, Melinda G.		Cantargia AB	1-Dec-22						
L-003-2023/0	Hanada, Kenichi		Gilboa Therapeutics Ltd.	1-Dec-22						
L-003-2023/0	Yang, James Chung-Yin		Gilboa Therapeutics Ltd.	1-Dec-22						
L-003-2023/0	Yu, Zhiya		Gilboa Therapeutics Ltd.	1-Dec-22						
L-093-2017/1	Gazdar, (b) (6) Adi		ADC Therapeutics SA	2-Dec-22						
L-093-2017/1	Minna, John D.		ADC Therapeutics SA	2-Dec-22						
L-192-2018/0	Bonomi, Carrie A.		iOmx	2-Dec-22						
L-192-2018/0	Borgel, Suzanne D.		iOmx	2-Dec-22						
L-192-2018/0	Dougherty, Kelly		iOmx	2-Dec-22						
L-192-2018/0	Hollingshead, Melinda G.		iOmx	2-Dec-22						
L-065-2021/2	Gattinoni, Luca		Lyell Immunopharma, Inc.	2-Dec-22						
L-065-2021/2	Good, Meghan		Lyell Immunopharma, Inc.	2-Dec-22						
L-065-2021/2	Islam, S M Rafiqul		Lyell Immunopharma, Inc.	2-Dec-22						
L-065-2021/2	Klemen, Nicholas Donald		Lyell Immunopharma, Inc.	2-Dec-22						
L-065-2021/2	Maeda, Takuya		Lyell Immunopharma, Inc.	2-Dec-22						
L-065-2021/2	Patel, Shashankkumar		Lyell Immunopharma, Inc.	2-Dec-22						
L-065-2021/2	Restifo, Nicholas P.		Lyell Immunopharma, Inc.	2-Dec-22						
L-065-2021/2	Tamaoki, Naritaka		Lyell Immunopharma, Inc.	2-Dec-22						
L-065-2021/2	Vizcardo Sakoda, Raul Eduardo		Lyell Immunopharma, Inc.	2-Dec-22						

Note: L-065-2021/2 split between NCI; NIAID

(b) (3) (A), (b) (4), (b) (6)

L-241-2021/0	Beyer, Rachel K. B.	(b) (4),	Lead Discovery Center GmbH	2-Dec-22
L-241-2021/0	(b) (4)	(b) (6)	Lead Discovery Center GmbH	2-Dec-22
L-241-2021/0	Holderfield, Matthew T.		Lead Discovery Center GmbH	2-Dec-22
L-241-2021/0	Soppet, Dan		Lead Discovery Center GmbH	2-Dec-22
L-113-2022/0	Rader, Christoph		Lyell Immunopharma, Inc.	2-Dec-22
L-113-2022/0	Yang, Jiahui		Lyell Immunopharma, Inc.	2-Dec-22
L-019-2023/0	Gazdar, (b) (6) Adi		Exelixis, Inc.	2-Dec-22
L-019-2023/0	Johnson, Bruce E		Exelixis, Inc.	2-Dec-22
L-019-2023/0	Kaye, Frederic J		Exelixis, Inc.	2-Dec-22
L-019-2023/0	Khleif, Samir N.		Exelixis, Inc.	2-Dec-22
L-019-2023/0	Minna, John D.		Exelixis, Inc.	2-Dec-22
L-019-2023/0	Oie, (b) (6) Herbert K		Exelixis, Inc.	2-Dec-22
L-019-2023/0	Pass, Harvey I		Exelixis, Inc.	2-Dec-22
L-109-2015/0	Brinkmann, Ulrich		Chugai Pharmaceutical Co.	5-Dec-22
L-109-2015/0	Jung, Sun-Hee		Chugai Pharmaceutical Co.	5-Dec-22
L-109-2015/0	Lee, Byungkook		Chugai Pharmaceutical Co.	5-Dec-22
L-109-2015/0	Pastan, Ira H.		Chugai Pharmaceutical Co.	5-Dec-22
L-022-2017/0	(b) (4)		Etubics Corporation	5-Dec-22
L-022-2017/0	Gritz, Linda R.		Etubics Corporation	5-Dec-22
L-022-2017/0	Hodge, James W.		Etubics Corporation	5-Dec-22
L-022-2017/0	Kantor, Judith A.		Etubics Corporation	5-Dec-22
L-022-2017/0	Kozlov, Andrei P.		Etubics Corporation	5-Dec-22
L-022-2017/0	Mazzara, Gail P.		Etubics Corporation	5-Dec-22
L-022-2017/0	Palena, Claudia		Etubics Corporation	5-Dec-22
L-022-2017/0	Panicali, Dennis L.		Etubics Corporation	5-Dec-22
L-022-2017/0	Salazar, Maria Elena		Etubics Corporation	5-Dec-22
L-022-2017/0	Schlom, Jeffrey		Etubics Corporation	5-Dec-22
L-022-2017/0	Tsang, Kwong-Yok		Etubics Corporation	5-Dec-22
L-022-2017/0	Zaremba, Sam		Etubics Corporation	5-Dec-22
L-022-2017/0	NCI		Etubics Corporation	5-Dec-22
L-098-2017/0	Buck, Christopher	(b) (4),	SK Chemicals	5-Dec-22
L-098-2017/0	Schiller, John T	(b) (6)	SK Chemicals	5-Dec-22
L-111-2019/0	Bonomi, Carrie A.		Innate Pharma Research Labs	5-Dec-22
L-111-2019/0	Borgel, Suzanne D.		Innate Pharma Research Labs	5-Dec-22
L-111-2019/0	Dougherty, Kelly		Innate Pharma Research Labs	5-Dec-22
L-111-2019/0	Hollingshead, Melinda G.		Innate Pharma Research Labs	5-Dec-22
L-075-2020/0	Acquavella, Nicolas		Lyell Immunopharma, Inc.	5-Dec-22
L-075-2020/0	Hanada, Kenichi		Lyell Immunopharma, Inc.	5-Dec-22
L-075-2020/0	Islam, S M Rafiqul		Lyell Immunopharma, Inc.	5-Dec-22
L-075-2020/0	Restifo, Nicholas P.		Lyell Immunopharma, Inc.	5-Dec-22
L-075-2020/0	Rosenberg, Steven A.		Lyell Immunopharma, Inc.	5-Dec-22
L-075-2020/0	Tamaoki, Naritaka		Lyell Immunopharma, Inc.	5-Dec-22
L-075-2020/0	Topalian, Suzanne L.		Lyell Immunopharma, Inc.	5-Dec-22
L-075-2020/0	Vizcardo Sakoda, Raul Eduardo		Lyell Immunopharma, Inc.	5-Dec-22
L-075-2020/0	Yang, James Chung-Yin		Lyell Immunopharma, Inc.	5-Dec-22
L-075-2020/0	Yu, Zhiya		Lyell Immunopharma, Inc.	5-Dec-22
L-186-2021/0	Esposito, Dominic		Vector Y	5-Dec-22

(b) (3) (A), (b) (4), (b) (6)

L-186-2021/0	Hopkins, Ralph F.	(b) (4), (b) (6)	Vector Y	5-Dec-22
L-193-2021/0	Buck, Christopher		Takeda Manufacturing Austria AG	5-Dec-22
L-193-2021/0	Pastrana, Diana V		Takeda Manufacturing Austria AG	5-Dec-22
L-193-2021/0	Schiller, John T		Takeda Manufacturing Austria AG	5-Dec-22
L-054-2010/3	NCI		Research Corp Techn. Inc.	6-Dec-22
L-232-2014/1	NCI		NanoString Technologies, Inc.	6-Dec-22
Note: L-232-2014/1 split between CIT; NCI				
L-077-2015/2	Hinrichs, Christian S.	(b) (4), (b) (6)	Kite Pharma, Inc.	6-Dec-22
L-077-2015/2	Rosenberg, Steven A.		Kite Pharma, Inc.	6-Dec-22
L-002-2016/2	Feldman, Steven A		Kite Pharma	6-Dec-22
L-002-2016/2	Morgan, Richard A.		Kite Pharma	6-Dec-22
L-002-2016/2	Robbins, Paul F		Kite Pharma	6-Dec-22
L-002-2016/2	Rosenberg, Steven A.		Kite Pharma	6-Dec-22
L-002-2016/2	Yao, Xin		Kite Pharma	6-Dec-22
L-002-2016/2	Zhu, Shigui		Kite Pharma	6-Dec-22
L-253-2018/3	Bonomi, Carrie A.		Yuhan R&D Institute	6-Dec-22
L-253-2018/3	Borgel, Suzanne D.		Yuhan R&D Institute	6-Dec-22
L-253-2018/3	Dougherty, Kelly		Yuhan R&D Institute	6-Dec-22
L-253-2018/3	Hollingshead, Melinda G.		Yuhan R&D Institute	6-Dec-22
L-126-2020/0	Lam, Norris		Kite Pharma, Inc.	6-Dec-22
L-127-2020/1	Lam, Norris		Kite Pharma, Inc	6-Dec-22
L-136-2021/0	Gazdar, (b) (6) Adi		Vibliome Operations, LLC.	6-Dec-22
L-136-2021/0	Johnson, Bruce E		Vibliome Operations, LLC.	6-Dec-22
L-136-2021/0	Kaye, Frederic J		Vibliome Operations, LLC.	6-Dec-22
L-136-2021/0	Khleif, Samir N.		Vibliome Operations, LLC.	6-Dec-22
L-136-2021/0	Minna, John D.		Vibliome Operations, LLC.	6-Dec-22
L-136-2021/0	Oie, (b) (6) Herbert K		Vibliome Operations, LLC.	6-Dec-22
L-136-2021/0	Pass, Harvey I		Vibliome Operations, LLC.	6-Dec-22
L-165-2021/0	Gazdar, (b) (6) Adi		Vibliome Operations, LLC.	6-Dec-22
L-165-2021/0	Johnson, Bruce E		Vibliome Operations, LLC.	6-Dec-22
L-165-2021/0	Kaye, Frederic J		Vibliome Operations, LLC.	6-Dec-22
L-165-2021/0	Khleif, Samir N.		Vibliome Operations, LLC.	6-Dec-22
L-165-2021/0	Minna, John D.		Vibliome Operations, LLC.	6-Dec-22
L-165-2021/0	Oie, (b) (6) Herbert K		Vibliome Operations, LLC.	6-Dec-22
L-165-2021/0	Pass, Harvey I		Vibliome Operations, LLC.	6-Dec-22
L-184-2021/0	Gazdar, (b) (6) Adi		Vibliome Operations, LLC.	6-Dec-22
L-184-2021/0	Johnson, Bruce E		Vibliome Operations, LLC.	6-Dec-22
L-184-2021/0	Kaye, Frederic J		Vibliome Operations, LLC.	6-Dec-22
L-184-2021/0	Khleif, Samir N.		Vibliome Operations, LLC.	6-Dec-22
L-184-2021/0	Minna, John D.		Vibliome Operations, LLC.	6-Dec-22
L-184-2021/0	Oie, (b) (6) Herbert K		Vibliome Operations, LLC.	6-Dec-22
L-184-2021/0	Pass, Harvey I		Vibliome Operations, LLC.	6-Dec-22
L-236-2021/0	Gonzalez, Frank J.		Jnana Therapeutics	6-Dec-22
L-236-2021/0	Kim, Jung-Hwan		Jnana Therapeutics	6-Dec-22
L-236-2021/0	Yim, Sun Hee		Jnana Therapeutics	6-Dec-22

L-165-2020/0	Gazdar, (b) (6) Adi	(b) (4), (b) (6)	Light Chain Bioscience-Novimmune SA	7-Dec-22	(b) (3) (A), (b) (4), (b) (6)
L-165-2020/0	Johnson, Bruce E		Light Chain Bioscience-Novimmune SA	7-Dec-22	
L-165-2020/0	Kaye, Frederic J		Light Chain Bioscience-Novimmune SA	7-Dec-22	
L-165-2020/0	Khleif, Samir N.		Light Chain Bioscience-Novimmune SA	7-Dec-22	
L-165-2020/0	Minna, John D.		Light Chain Bioscience-Novimmune SA	7-Dec-22	
L-165-2020/0	Oie, (b) (6) Herbert K		Light Chain Bioscience-Novimmune SA	7-Dec-22	
L-165-2020/0	Pass, Harvey I		Light Chain Bioscience-Novimmune SA	7-Dec-22	
L-240-2020/0	Bonomi, Carrie A.		Medytox Inc.	7-Dec-22	
L-240-2020/0	Borgel, Suzanne D.		Medytox Inc.	7-Dec-22	
L-240-2020/0	Dougherty, Kelly		Medytox Inc.	7-Dec-22	
L-240-2020/0	Hollingshead, Melinda G.		Medytox Inc.	7-Dec-22	
L-004-2022/1	Gazdar, (b) (6) Adi		IRBM Spa	7-Dec-22	
L-004-2022/1	Johnson, Bruce E		IRBM Spa	7-Dec-22	
L-004-2022/1	Kaye, Frederic J		IRBM Spa	7-Dec-22	
L-004-2022/1	Khleif, Samir N.		IRBM Spa	7-Dec-22	
L-004-2022/1	Minna, John D.		IRBM Spa	7-Dec-22	
L-004-2022/1	Oie, (b) (6) Herbert K		IRBM Spa	7-Dec-22	
L-004-2022/1	Pass, Harvey I		IRBM Spa	7-Dec-22	
L-189-2022/0	Chen, Weizao		Gilead Sciences, Inc.	7-Dec-22	
L-189-2022/0	Dimitrov, Dimiter S.		Gilead Sciences, Inc.	7-Dec-22	
L-133-2009/0	Gazdar, (b) (6) Adi		Ventana Medical Systems, Inc.	8-Dec-22	
L-133-2009/0	Johnson, Bruce E		Ventana Medical Systems, Inc.	8-Dec-22	
L-133-2009/0	Kaye, Frederic J		Ventana Medical Systems, Inc.	8-Dec-22	
L-133-2009/0	Khleif, Samir N.		Ventana Medical Systems, Inc.	8-Dec-22	
L-133-2009/0	Minna, John D.		Ventana Medical Systems, Inc.	8-Dec-22	
L-133-2009/0	Oie, (b) (6) Herbert K		Ventana Medical Systems, Inc.	8-Dec-22	
L-133-2009/0	Pass, Harvey I		Ventana Medical Systems, Inc.	8-Dec-22	
L-200-2015/1	Aaronson, Stuart A.		TILT Biotherapeutics, Ltd.	8-Dec-22	
L-200-2015/1	(b) (6) Donald J. Giard		TILT Biotherapeutics, Ltd.	8-Dec-22	
L-200-2015/1	Parks, Wade P.		TILT Biotherapeutics, Ltd.	8-Dec-22	
L-126-2021/0	Bonomi, Carrie A.		Calico LIfe Sciences	8-Dec-22	
L-126-2021/0	Borgel, Suzanne D.		Calico LIfe Sciences	8-Dec-22	
L-126-2021/0	Dougherty, Kelly		Calico LIfe Sciences	8-Dec-22	
L-126-2021/0	Hollingshead, Melinda G.		Calico LIfe Sciences	8-Dec-22	
L-012-2023/1	Gazdar, (b) (6) Adi		GC Cell Corporation	8-Dec-22	
L-012-2023/1	Johnson, Bruce E		GC Cell Corporation	8-Dec-22	
L-012-2023/1	Kaye, Frederic J		GC Cell Corporation	8-Dec-22	
L-012-2023/1	Khleif, Samir N.		GC Cell Corporation	8-Dec-22	
L-012-2023/1	Minna, John D.		GC Cell Corporation	8-Dec-22	
L-012-2023/1	Oie, (b) (6) Herbert K		GC Cell Corporation	8-Dec-22	
L-012-2023/1	Pass, Harvey I		GC Cell Corporation	8-Dec-22	
L-262-2017/1	Bonomi, Carrie A.		HUTCHMED Limited	9-Dec-22	
L-262-2017/1	Borgel, Suzanne D.		HUTCHMED Limited	9-Dec-22	
L-262-2017/1	Dougherty, Kelly		HUTCHMED Limited	9-Dec-22	
L-262-2017/1	Hollingshead, Melinda G.		HUTCHMED Limited	9-Dec-22	
L-035-2021/1	Gazdar, (b) (6) Adi		Daiichi Sankyo Co., Ltd.	9-Dec-22	
L-035-2021/1	Johnson, Bruce E		Daiichi Sankyo Co., Ltd.	9-Dec-22	

(b) (3) (A), (b) (4), (b) (6)

L-035-2021/1	Kaye, Frederic J	(b) (4), (b) (6)	Daiichi Sankyo Co., Ltd.	9-Dec-22
L-035-2021/1	Khleif, Samir N.		Daiichi Sankyo Co., Ltd.	9-Dec-22
L-035-2021/1	Minna, John D.		Daiichi Sankyo Co., Ltd.	9-Dec-22
L-035-2021/1	Oie, (b) (6) Herbert K		Daiichi Sankyo Co., Ltd.	9-Dec-22
L-035-2021/1	Pass, Harvey I		Daiichi Sankyo Co., Ltd.	9-Dec-22
L-038-2021/0	Bonomi, Carrie A.		HiberCell, Inc.	9-Dec-22
L-038-2021/0	Borgel, Suzanne D.		HiberCell, Inc.	9-Dec-22
L-038-2021/0	Dougherty, Kelly		HiberCell, Inc.	9-Dec-22
L-038-2021/0	Hollingshead, Melinda G.		HiberCell, Inc.	9-Dec-22
L-218-2021/0	Cowan, Kenneth H.		Elevation Oncology	9-Dec-22
L-072-2022/0	Bonomi, Carrie A.		Cantargia AB	9-Dec-22
L-072-2022/0	Borgel, Suzanne D.		Cantargia AB	9-Dec-22
L-072-2022/0	Dougherty, Kelly		Cantargia AB	9-Dec-22
L-072-2022/0	Hollingshead, Melinda G.		Cantargia AB	9-Dec-22
L-154-1997/2	Mason, Llewellyn H.		BD Biosciences - BD PharMingen	12-Dec-22
L-154-1997/2	Ortaldo, John R.		BD Biosciences - BD PharMingen	12-Dec-22
L-097-2000/3	Austin, Faye C.		BD Biosciences, PharMingen	12-Dec-22
L-097-2000/3	Colcher, David		BD Biosciences, PharMingen	12-Dec-22
L-097-2000/3	Hand, Patricia H.		BD Biosciences, PharMingen	12-Dec-22
L-097-2000/3	Nuti, Marianna		BD Biosciences, PharMingen	12-Dec-22
L-097-2000/3	Schlom, Jeffrey		BD Biosciences, PharMingen	12-Dec-22
L-014-2016/0	Hodge, James W.		Transgene SA	12-Dec-22
L-014-2016/0	Schlom, Jeffrey		Transgene SA	12-Dec-22
L-197-2022/0	Schlom, Jeffrey		Bristol Myers Squibb	12-Dec-22
L-079-2020/0	Gazdar, (b) (6) Adi		Turning Point Therapeutics	13-Dec-22
L-079-2020/0	Johnson, Bruce E		Turning Point Therapeutics	13-Dec-22
L-079-2020/0	Kaye, Frederic J		Turning Point Therapeutics	13-Dec-22
L-079-2020/0	Khleif, Samir N.		Turning Point Therapeutics	13-Dec-22
L-079-2020/0	Minna, John D.		Turning Point Therapeutics	13-Dec-22
L-079-2020/0	Oie, (b) (6) Herbert K		Turning Point Therapeutics	13-Dec-22
L-079-2020/0	Pass, Harvey I		Turning Point Therapeutics	13-Dec-22
L-099-2020/1	Rosenberg, Steven A.		Kite Pharma	13-Dec-22
L-180-2020/0	Schlom, Jeffrey		Merck Sharp & Dohme Corp	13-Dec-22
L-239-2020/0	Alewine, Christine		Merck Research Laboratories	13-Dec-22
L-239-2020/0	Collins, Norman Keith		Merck Research Laboratories	13-Dec-22
L-239-2020/0	Guerin, Theresa		Merck Research Laboratories	13-Dec-22
L-239-2020/0	Kozlov, Serguei		Merck Research Laboratories	13-Dec-22
L-239-2020/0	O'Sullivan, Theresa		Merck Research Laboratories	13-Dec-22
L-239-2020/0	Schlomer, Jerome J		Merck Research Laboratories	13-Dec-22
L-239-2020/0	Zhang, Xianyu		Merck Research Laboratories	13-Dec-22
L-041-2022/0	Gazdar, (b) (6) Adi		Circle Pharma, Inc.	13-Dec-22
L-041-2022/0	Johnson, Bruce E		Circle Pharma, Inc.	13-Dec-22
L-041-2022/0	Kaye, Frederic J		Circle Pharma, Inc.	13-Dec-22
L-041-2022/0	Khleif, Samir N.		Circle Pharma, Inc.	13-Dec-22
L-041-2022/0	Minna, John D.		Circle Pharma, Inc.	13-Dec-22

L-041-2022/0	Oie, (b) (6) Herbert K	(b) (4), (b) (6)	Circle Pharma, Inc.	13-Dec-22	(b) (3) (A), (b) (4), (b) (6)
L-041-2022/0	Pass, Harvey I		Circle Pharma, Inc.	13-Dec-22	
L-100-2022/0	Wakefield, Lalage M		Pliant Therapeutics, Inc.	13-Dec-22	
L-100-2022/0	Yang, Yu-an		Pliant Therapeutics, Inc.	13-Dec-22	
Note: L-100-2022/0 split between NCI; NIDDK					
L-110-2022/0	Bonomi, Carrie A.		Kumquat Biosciences Inc.	13-Dec-22	
L-110-2022/0	Borgel, Suzanne D.		Kumquat Biosciences Inc.	13-Dec-22	
L-110-2022/0	Dougherty, Kelly		Kumquat Biosciences Inc.	13-Dec-22	
L-110-2022/0	Hollingshead, Melinda G.		Kumquat Biosciences Inc.	13-Dec-22	
L-132-2022/0	Gazdar, (b) (6) Adi		Vevo Therapeutics, Inc.	13-Dec-22	
L-132-2022/0	Johnson, Bruce E		Vevo Therapeutics, Inc.	13-Dec-22	
L-132-2022/0	Kaye, Frederic J		Vevo Therapeutics, Inc.	13-Dec-22	
L-132-2022/0	Khleif, Samir N.		Vevo Therapeutics, Inc.	13-Dec-22	
L-132-2022/0	Minna, John D.		Vevo Therapeutics, Inc.	13-Dec-22	
L-132-2022/0	Oie, (b) (6) Herbert K		Vevo Therapeutics, Inc.	13-Dec-22	
L-132-2022/0	Pass, Harvey I		Vevo Therapeutics, Inc.	13-Dec-22	
L-133-2022/0	Gazdar, (b) (6) Adi		C4 Therapeutics, Inc	13-Dec-22	
L-133-2022/0	Johnson, Bruce E		C4 Therapeutics, Inc	13-Dec-22	
L-133-2022/0	Kaye, Frederic J		C4 Therapeutics, Inc	13-Dec-22	
L-133-2022/0	Khleif, Samir N.		C4 Therapeutics, Inc	13-Dec-22	
L-133-2022/0	Minna, John D.		C4 Therapeutics, Inc	13-Dec-22	
L-133-2022/0	Oie, (b) (6) Herbert K		C4 Therapeutics, Inc	13-Dec-22	
L-133-2022/0	Pass, Harvey I		C4 Therapeutics, Inc	13-Dec-22	
L-061-2005/3	Buck, Christopher		GlaxoSmithKline Biologicals, S.A.	14-Dec-22	
L-061-2005/3	(b) (4)		GlaxoSmithKline Biologicals, S.A.	14-Dec-22	
L-061-2005/3	Lowy, Douglas R.		GlaxoSmithKline Biologicals, S.A.	14-Dec-22	
L-061-2005/3	Pastrana, Diana V		GlaxoSmithKline Biologicals, S.A.	14-Dec-22	
L-061-2005/3	Roden, Richard B.		GlaxoSmithKline Biologicals, S.A.	14-Dec-22	
L-061-2005/3	Schiller, John T		GlaxoSmithKline Biologicals, S.A.	14-Dec-22	
L-061-2005/3	Buck, Christopher		GlaxoSmithKline Biologicals, S.A.	14-Dec-22	
L-061-2005/3	(b) (4)		GlaxoSmithKline Biologicals, S.A.	14-Dec-22	
L-061-2005/3	Lowy, Douglas R.		GlaxoSmithKline Biologicals, S.A.	14-Dec-22	
L-061-2005/3	Pastrana, Diana V		GlaxoSmithKline Biologicals, S.A.	14-Dec-22	
L-061-2005/3	Roden, Richard B.		GlaxoSmithKline Biologicals, S.A.	14-Dec-22	
L-061-2005/3	Schiller, John T		GlaxoSmithKline Biologicals, S.A.	14-Dec-22	
L-209-2016/0	Copeland, Neal		GlaxoSmithKline Biologicals, S.A.	14-Dec-22	
L-209-2016/0	Costantino, Nina		GlaxoSmithKline Biologicals, S.A.	14-Dec-22	
L-209-2016/0	Court, Donald		GlaxoSmithKline Biologicals, S.A.	14-Dec-22	
L-209-2016/0	Ellis, Hilary Moyed		GlaxoSmithKline Biologicals, S.A.	14-Dec-22	
L-209-2016/0	Jenkins Copeland, Nancy A		GlaxoSmithKline Biologicals, S.A.	14-Dec-22	
L-209-2016/0	Lee, E-Chiang		GlaxoSmithKline Biologicals, S.A.	14-Dec-22	
L-209-2016/0	Liu, Pentao		GlaxoSmithKline Biologicals, S.A.	14-Dec-22	
L-209-2016/0	Sharan, Shyam K.		GlaxoSmithKline Biologicals, S.A.	14-Dec-22	
L-209-2016/0	Swaminathan, Srividya		GlaxoSmithKline Biologicals, S.A.	14-Dec-22	
L-209-2016/0	Warming, Soren		GlaxoSmithKline Biologicals, S.A.	14-Dec-22	
L-209-2016/0	Yu, Daiguan		GlaxoSmithKline Biologicals, S.A.	14-Dec-22	
L-182-2022/0	Gazdar, (b) (6) Adi		Minerva Imaging ApS	14-Dec-22	
L-182-2022/0	Johnson, Bruce E		Minerva Imaging ApS	14-Dec-22	
L-182-2022/0	Kaye, Frederic J		Minerva Imaging ApS	14-Dec-22	

(b) (3) (A), (b) (4), (b) (6)

L-182-2022/0	Khleif, Samir N.	(b) (4), (b) (6)	Minerva Imaging ApS	14-Dec-22
L-182-2022/0	Minna, John D.		Minerva Imaging ApS	14-Dec-22
L-182-2022/0	Oie, (b) (6) Herbert K		Minerva Imaging ApS	14-Dec-22
L-182-2022/0	Pass, Harvey I		Minerva Imaging ApS	14-Dec-22
L-190-2005/2	Gallo, Robert C.		GeoVax, Inc.	15-Dec-22
L-190-2005/2	(b) (4)		GeoVax, Inc.	15-Dec-22
L-190-2005/2	Popovic, Mikulas		GeoVax, Inc.	15-Dec-22
L-190-2005/2	Sarngadharan, Mangalasseril		GeoVax, Inc.	15-Dec-22
Note: L-190-2005/2 split between NCI; NIAID				
L-117-2017/0	Choyke, Peter L		Aspyrian Therapeutics, Inc.	15-Dec-22
L-117-2017/0	Kobayashi, Hisataka		Aspyrian Therapeutics, Inc.	15-Dec-22
L-117-2017/0	Sato, Kazuhide		Aspyrian Therapeutics, Inc.	15-Dec-22
L-117-2017/0	Sato, Noriko		Aspyrian Therapeutics, Inc.	15-Dec-22
L-018-2022/0	Bonomi, Carrie A.		Seagen Inc.	15-Dec-22
L-018-2022/0	Dougherty, Kelly		Seagen Inc.	15-Dec-22
L-018-2022/0	Hollingshead, Melinda G.		Seagen Inc.	15-Dec-22
L-018-2023/0	Gazdar, (b) (6) Adi		Exelixis, Inc.	15-Dec-22
L-018-2023/0	Johnson, Bruce E		Exelixis, Inc.	15-Dec-22
L-018-2023/0	Kaye, Frederic J		Exelixis, Inc.	15-Dec-22
L-018-2023/0	Khleif, Samir N.		Exelixis, Inc.	15-Dec-22
L-018-2023/0	Minna, John D.		Exelixis, Inc.	15-Dec-22
L-018-2023/0	Oie, (b) (6) Herbert K		Exelixis, Inc.	15-Dec-22
L-018-2023/0	Pass, Harvey I		Exelixis, Inc.	15-Dec-22
L-224-2015/1	NCI		2seventy bio	16-Dec-22
		(b) (4), (b) (6)		
L-272-2018/0	Aaronson, Stuart A.		CellSeed, Inc	16-Dec-22
L-272-2018/0	Jainchill, John L.		CellSeed, Inc	16-Dec-22
L-272-2018/0	Todaro, George J.		CellSeed, Inc	16-Dec-22
L-113-2019/1	Gottesman, Michael M.		Pharmaron Beijing Co., LTD	16-Dec-22
L-113-2019/1	Pastan, Ira H.		Pharmaron Beijing Co., LTD	16-Dec-22
L-113-2019/1	Ueda, Kazumitsu		Pharmaron Beijing Co., LTD	16-Dec-22
L-051-2021/0	Gazdar, (b) (6) Adi		DS Bio Limited	16-Dec-22
L-051-2021/0	Johnson, Bruce E		DS Bio Limited	16-Dec-22
L-051-2021/0	Kaye, Frederic J		DS Bio Limited	16-Dec-22
L-051-2021/0	Khleif, Samir N.		DS Bio Limited	16-Dec-22
L-051-2021/0	Minna, John D.		DS Bio Limited	16-Dec-22
L-051-2021/0	Oie, (b) (6) Herbert K		DS Bio Limited	16-Dec-22
L-051-2021/0	Pass, Harvey I		DS Bio Limited	16-Dec-22
L-179-2022/0	Fleming, Bryan		EMD Millipore Corporation	16-Dec-22
L-179-2022/0	Ho, Mitchell		EMD Millipore Corporation	16-Dec-22
L-179-2022/0	Li, Nan		EMD Millipore Corporation	16-Dec-22
L-045-2023/0	Gazdar, (b) (6) Adi		MBrace Therapeutics, Inc.	16-Dec-22
L-045-2023/0	Johnson, Bruce E		MBrace Therapeutics, Inc.	16-Dec-22
L-045-2023/0	Kaye, Frederic J		MBrace Therapeutics, Inc.	16-Dec-22
L-045-2023/0	Khleif, Samir N.		MBrace Therapeutics, Inc.	16-Dec-22
L-045-2023/0	Minna, John D.		MBrace Therapeutics, Inc.	16-Dec-22
L-045-2023/0	Oie, (b) (6) Herbert K		MBrace Therapeutics, Inc.	16-Dec-22
L-045-2023/0	Pass, Harvey I		MBrace Therapeutics, Inc.	16-Dec-22

		(b) (4), (b) (6)			(b) (3) (A), (b) (4), (b) (6)
L-100-2018/1	Bonomi, Carrie A.		Codiak Biosciences, Inc.	19-Dec-22	
L-100-2018/1	Borgel, Suzanne D.		Codiak Biosciences, Inc.	19-Dec-22	
L-100-2018/1	Dougherty, Kelly		Codiak Biosciences, Inc.	19-Dec-22	
L-100-2018/1	Hollingshead, Melinda G.		Codiak Biosciences, Inc.	19-Dec-22	
L-107-2018/0	Bonomi, Carrie A.		Codiak Biosciences	19-Dec-22	
L-107-2018/0	Dougherty, Kelly		Codiak Biosciences	19-Dec-22	
L-107-2018/0	Hollingshead, Melinda G.		Codiak Biosciences	19-Dec-22	
L-205-2016/1	Gazdar, (b) (6) Adi		Relay Therapeutics, Inc	20-Dec-22	
L-205-2016/1	Johnson, Bruce E		Relay Therapeutics, Inc	20-Dec-22	
L-205-2016/1	Kaye, Frederic J		Relay Therapeutics, Inc	20-Dec-22	
L-205-2016/1	Khleif, Samir N.		Relay Therapeutics, Inc	20-Dec-22	
L-205-2016/1	Minna, John D.		Relay Therapeutics, Inc	20-Dec-22	
L-205-2016/1	Oie, (b) (6) Herbert K		Relay Therapeutics, Inc	20-Dec-22	
L-205-2016/1	Pass, Harvey I		Relay Therapeutics, Inc	20-Dec-22	
L-159-2018/2	Bonomi, Carrie A.		Bicycle Therapeutics	20-Dec-22	
L-159-2018/2	Borgel, Suzanne D.		Bicycle Therapeutics	20-Dec-22	
L-159-2018/2	Dougherty, Kelly		Bicycle Therapeutics	20-Dec-22	
L-159-2018/2	Hollingshead, Melinda G.		Bicycle Therapeutics	20-Dec-22	
L-011-2019/0	Gottesman, Michael M.		Amgen, Inc.	20-Dec-22	
L-011-2019/0	Pastan, Ira H.		Amgen, Inc.	20-Dec-22	
L-011-2019/0	Ueda, Kazumitsu		Amgen, Inc.	20-Dec-22	
L-121-2019/0	Gottesman, Michael M.		Axcelead Drug Discovery Partners, Inc	20-Dec-22	
L-121-2019/0	Pastan, Ira H.		Axcelead Drug Discovery Partners, Inc	20-Dec-22	
L-121-2019/0	Ueda, Kazumitsu		Axcelead Drug Discovery Partners, Inc	20-Dec-22	
L-146-2021/0	Bonomi, Carrie A.		Pharmacology Discovery Services Taiwan,	20-Dec-22	
L-146-2021/0	Borgel, Suzanne D.		Pharmacology Discovery Services Taiwan,	20-Dec-22	
L-146-2021/0	Dougherty, Kelly		Pharmacology Discovery Services Taiwan,	20-Dec-22	
L-146-2021/0	Hollingshead, Melinda G.		Pharmacology Discovery Services Taiwan,	20-Dec-22	
L-332-2014/1	Buck, Christopher		Biological E Limited	21-Dec-22	
L-332-2014/1	(b) (4)		Biological E Limited	21-Dec-22	
L-332-2014/1	Lowy, Douglas R.		Biological E Limited	21-Dec-22	
L-332-2014/1	Pastrana, Diana V		Biological E Limited	21-Dec-22	
L-332-2014/1	Roden, Richard B.		Biological E Limited	21-Dec-22	
L-332-2014/1	Schiller, John T		Biological E Limited	21-Dec-22	
L-048-2015/2	Schlom, Jeffrey		PDS Biotechnology Corporation	21-Dec-22	
L-048-2015/2	Tsang, Kwong-Yok		PDS Biotechnology Corporation	21-Dec-22	
L-048-2015/2	NCI		PDS Biotechnology Corporation	21-Dec-22	
L-009-2018/0	Copeland, Neal	(b) (4), (b) (6)	Spybiotech Limited	21-Dec-22	
L-009-2018/0	Costantino, Nina		Spybiotech Limited	21-Dec-22	
L-009-2018/0	Court, Donald		Spybiotech Limited	21-Dec-22	
L-009-2018/0	Ellis, Hilary Moyed		Spybiotech Limited	21-Dec-22	
L-009-2018/0	Jenkins Copeland, Nancy A		Spybiotech Limited	21-Dec-22	
L-009-2018/0	Lee, E-Chiang		Spybiotech Limited	21-Dec-22	
L-009-2018/0	Sharan, Shyam K.		Spybiotech Limited	21-Dec-22	
L-009-2018/0	Swaminathan, Srividya		Spybiotech Limited	21-Dec-22	
L-009-2018/0	Warming, Soren		Spybiotech Limited	21-Dec-22	

L-009-2018/0	Yu, Daiguan	(b) (4), (b) (6)	Spybiotech Limited	21-Dec-22	(b) (3) (A), (b) (4), (b) (6)
L-046-2019/0	Bonomi, Carrie A.		Dragonfly Therapeutics	21-Dec-22	
L-046-2019/0	Borgel, Suzanne D.		Dragonfly Therapeutics	21-Dec-22	
L-046-2019/0	Dougherty, Kelly		Dragonfly Therapeutics	21-Dec-22	
L-046-2019/0	Hollingshead, Melinda G.		Dragonfly Therapeutics	21-Dec-22	
L-046-2019/0	Schlom, Jeffrey		Dragonfly Therapeutics	21-Dec-22	
L-056-2021/0	Bonomi, Carrie A.		Merus N.V.	21-Dec-22	
L-056-2021/0	Borgel, Suzanne D.		Merus N.V.	21-Dec-22	
L-056-2021/0	Dougherty, Kelly		Merus N.V.	21-Dec-22	
L-056-2021/0	Hollingshead, Melinda G.		Merus N.V.	21-Dec-22	
L-093-2021/0	Bonomi, Carrie A.		C4 Therapeutics, Inc	21-Dec-22	
L-093-2021/0	Borgel, Suzanne D.		C4 Therapeutics, Inc	21-Dec-22	
L-093-2021/0	Dougherty, Kelly		C4 Therapeutics, Inc	21-Dec-22	
L-093-2021/0	Hollingshead, Melinda G.		C4 Therapeutics, Inc	21-Dec-22	
L-025-2022/0	Berzofsky, Jay A.		PDS Biotechnology Corporation	21-Dec-22	
L-025-2022/0	Oh, SangKon		PDS Biotechnology Corporation	21-Dec-22	
L-025-2022/0	Pastan, Ira H.		PDS Biotechnology Corporation	21-Dec-22	
L-025-2022/0	Roberson, Brenda D.		PDS Biotechnology Corporation	21-Dec-22	
L-025-2022/0	Terabe, Masaki		PDS Biotechnology Corporation	21-Dec-22	
L-025-2022/0	Wood, Lauren V.		PDS Biotechnology Corporation	21-Dec-22	
L-189-2022/0	NCI		Gilead Sciences, Inc.	21-Dec-22	
L-190-2016/1	Bonomi, Carrie A.	(b) (4), (b) (6)	Arcus Biosciences	22-Dec-22	
L-190-2016/1	Borgel, Suzanne D.		Arcus Biosciences	22-Dec-22	
L-190-2016/1	Dougherty, Kelly		Arcus Biosciences	22-Dec-22	
L-190-2016/1	Hollingshead, Melinda G.		Arcus Biosciences	22-Dec-22	
L-325-2017/0	Gao, Wei		Diagnostic BioSystems	22-Dec-22	
L-325-2017/0	Ho, Mitchell		Diagnostic BioSystems	22-Dec-22	
L-325-2017/0	Phung, Yen T.		Diagnostic BioSystems	22-Dec-22	
L-325-2017/0	Zhang, Yifan		Diagnostic BioSystems	22-Dec-22	
L-327-2017/0	Gao, Wei		Diagnostic BioSystems	22-Dec-22	
L-327-2017/0	Hassan, Raffit		Diagnostic BioSystems	22-Dec-22	
L-327-2017/0	Ho, Mitchell		Diagnostic BioSystems	22-Dec-22	
L-327-2017/0	Pastan, Ira H.		Diagnostic BioSystems	22-Dec-22	
L-327-2017/0	Phung, Yen T.		Diagnostic BioSystems	22-Dec-22	
L-327-2017/0	Zhang, Yifan		Diagnostic BioSystems	22-Dec-22	
L-052-2018/2	Gros, Alena		MedGene Therapeutics, Inc.	22-Dec-22	
L-057-2019/1	Bonomi, Carrie A.		Surface Oncology, Inc.	22-Dec-22	
L-057-2019/1	Borgel, Suzanne D.		Surface Oncology, Inc.	22-Dec-22	
L-057-2019/1	Dougherty, Kelly		Surface Oncology, Inc.	22-Dec-22	
L-057-2019/1	Hollingshead, Melinda G.		Surface Oncology, Inc.	22-Dec-22	
L-088-2019/1	Beyer, Rachel K. B.		Erasca, Inc.	22-Dec-22	
L-088-2019/1	(b) (4)		Erasca, Inc.	22-Dec-22	
L-088-2019/1	Holderfield, Matthew T.		Erasca, Inc.	22-Dec-22	
L-088-2019/1	Soppet, Dan		Erasca, Inc.	22-Dec-22	
L-137-2019/0	Bonomi, Carrie A.		Good Therapeutics, Inc.	22-Dec-22	

(b) (4), (b) (6)

(b) (3) (A), (b) (4), (b) (6)

L-137-2019/0	Borgel, Suzanne D.	Good Therapeutics, Inc.	22-Dec-22
L-137-2019/0	Dougherty, Kelly	Good Therapeutics, Inc.	22-Dec-22
L-137-2019/0	Hollingshead, Melinda G.	Good Therapeutics, Inc.	22-Dec-22
L-072-2020/0	Ho, Mitchell	Janssen Pharmaceutica, N.V.	22-Dec-22
L-072-2020/0	Kim, Heungnam	Janssen Pharmaceutica, N.V.	22-Dec-22
L-072-2020/0	Pastan, Ira H.	Janssen Pharmaceutica, N.V.	22-Dec-22
L-167-2020/0	Bonomi, Carrie A.	GlaxoSmithKline LLC	22-Dec-22
L-167-2020/0	Borgel, Suzanne D.	GlaxoSmithKline LLC	22-Dec-22
L-167-2020/0	Dougherty, Kelly	GlaxoSmithKline LLC	22-Dec-22
L-167-2020/0	Hollingshead, Melinda G.	GlaxoSmithKline LLC	22-Dec-22
L-047-2021/0	Harmon, Stephanie Anne	Canon Medical Systems USA, Inc.	22-Dec-22
L-047-2021/0	Turkbey, Ismail B.	Canon Medical Systems USA, Inc.	22-Dec-22
Note: L-047-2021/0 split between CC; NCI			
L-058-2021/0	Gazdar, (b) (6) Adi	Erasca, Inc.	22-Dec-22
L-058-2021/0	Johnson, Bruce E	Erasca, Inc.	22-Dec-22
L-058-2021/0	Kaye, Frederic J	Erasca, Inc.	22-Dec-22
L-058-2021/0	Khleif, Samir N.	Erasca, Inc.	22-Dec-22
L-058-2021/0	Minna, John D.	Erasca, Inc.	22-Dec-22
L-058-2021/0	Oie, (b) (6) Herbert K	Erasca, Inc.	22-Dec-22
L-058-2021/0	Pass, Harvey I	Erasca, Inc.	22-Dec-22
L-090-2021/0	Bonomi, Carrie A.	Jounce Therapeutics, Inc.	22-Dec-22
L-090-2021/0	Dougherty, Kelly	Jounce Therapeutics, Inc.	22-Dec-22
L-090-2021/0	Hollingshead, Melinda G.	Jounce Therapeutics, Inc.	22-Dec-22
L-202-2021/0	Bonomi, Carrie A.	Good Therapeutics, Inc.	22-Dec-22
L-202-2021/0	Dougherty, Kelly	Good Therapeutics, Inc.	22-Dec-22
L-202-2021/0	Hollingshead, Melinda G.	Good Therapeutics, Inc.	22-Dec-22
L-063-2022/0	Gazdar, (b) (6) Adi	Novartis Pharma AG	22-Dec-22
L-063-2022/0	Johnson, Bruce E	Novartis Pharma AG	22-Dec-22
L-063-2022/0	Kaye, Frederic J	Novartis Pharma AG	22-Dec-22
L-063-2022/0	Khleif, Samir N.	Novartis Pharma AG	22-Dec-22
L-063-2022/0	Minna, John D.	Novartis Pharma AG	22-Dec-22
L-063-2022/0	Oie, (b) (6) Herbert K	Novartis Pharma AG	22-Dec-22
L-063-2022/0	Pass, Harvey I	Novartis Pharma AG	22-Dec-22
L-150-2022/0	Gottesman, Michael M.	Cerevel Therapeutics, LLC	22-Dec-22
L-150-2022/0	Pastan, Ira H.	Cerevel Therapeutics, LLC	22-Dec-22
L-150-2022/0	Ueda, Kazumitsu	Cerevel Therapeutics, LLC	22-Dec-22
L-184-2022/0	Gazdar, (b) (6) Adi	Erasca, Inc.	22-Dec-22
L-184-2022/0	Johnson, Bruce E	Erasca, Inc.	22-Dec-22
L-184-2022/0	Kaye, Frederic J	Erasca, Inc.	22-Dec-22
L-184-2022/0	Khleif, Samir N.	Erasca, Inc.	22-Dec-22
L-184-2022/0	Minna, John D.	Erasca, Inc.	22-Dec-22
L-184-2022/0	Oie, (b) (6) Herbert K	Erasca, Inc.	22-Dec-22
L-184-2022/0	Pass, Harvey I	Erasca, Inc.	22-Dec-22
L-213-2022/0	Hamilton, Thomas C	Xencor, Inc.	22-Dec-22
L-213-2022/0	Ozols, Robert F	Xencor, Inc.	22-Dec-22
L-014-2023/0	Lee, Joo Sang	Pangea Biomed Ltd.	22-Dec-22

L-014-2023/0	Ruppin, Eytan	(b) (4), (b) (6)	Pangea Biomed Ltd.	22-Dec-22	(b) (3) (A), (b) (4), (b) (6)
L-014-2023/0	NCI		Pangea Biomed Ltd.	22-Dec-22	
L-165-2018/0	Baskar, Sivasubramanian	(b) (4), (b) (6)	Exbio Praha	23-Dec-22	
L-165-2018/0	Rader, Christoph		Exbio Praha	23-Dec-22	
L-191-2018/0	Bonomi, Carrie A.		Palleon Pharmaceuticals	23-Dec-22	
L-191-2018/0	Borgel, Suzanne D.		Palleon Pharmaceuticals	23-Dec-22	
L-191-2018/0	Dougherty, Kelly		Palleon Pharmaceuticals	23-Dec-22	
L-191-2018/0	Hollingshead, Melinda G.		Palleon Pharmaceuticals	23-Dec-22	
L-084-2020/0	Ise, Tomoko		EXBIO Praha	23-Dec-22	
L-084-2020/0	Nagata, Satoshi		EXBIO Praha	23-Dec-22	
L-084-2020/0	Pastan, Ira H.		EXBIO Praha	23-Dec-22	
L-084-2020/0	Xiang, Laiman		EXBIO Praha	23-Dec-22	
L-151-2021/0	Bonomi, Carrie A.		Anaveon AG	23-Dec-22	
L-151-2021/0	Borgel, Suzanne D.		Anaveon AG	23-Dec-22	
L-151-2021/0	Dougherty, Kelly		Anaveon AG	23-Dec-22	
L-151-2021/0	Hollingshead, Melinda G.		Anaveon AG	23-Dec-22	
L-011-2019/0	Gottesman, Michael M.		Amgen, Inc.	27-Dec-22	
L-011-2019/0	Pastan, Ira H.		Amgen, Inc.	27-Dec-22	
L-011-2019/0	Ueda, Kazumitsu		Amgen, Inc.	27-Dec-22	
L-179-2021/1	Beyer, Rachel K. B.		Treeline Biosciences, Inc.	27-Dec-22	
L-179-2021/1	(b) (4)		Treeline Biosciences, Inc.	27-Dec-22	
L-179-2021/1	Holderfield, Matthew T.		Treeline Biosciences, Inc.	27-Dec-22	
L-179-2021/1	Soppet, Dan		Treeline Biosciences, Inc.	27-Dec-22	
L-026-2022/0	Gazdar, (b) (6) Adi		SK Biopharmaceuticals Co., Ltd.	27-Dec-22	
L-026-2022/0	Johnson, Bruce E		SK Biopharmaceuticals Co., Ltd.	27-Dec-22	
L-026-2022/0	Kaye, Frederic J		SK Biopharmaceuticals Co., Ltd.	27-Dec-22	
L-026-2022/0	Khleif, Samir N.		SK Biopharmaceuticals Co., Ltd.	27-Dec-22	
L-026-2022/0	Minna, John D.		SK Biopharmaceuticals Co., Ltd.	27-Dec-22	
L-026-2022/0	Oie, (b) (6) Herbert K		SK Biopharmaceuticals Co., Ltd.	27-Dec-22	
L-026-2022/0	Pass, Harvey I		SK Biopharmaceuticals Co., Ltd.	27-Dec-22	
L-093-2022/0	Bonomi, Carrie A.		Pliant Therapeutics, Inc.	27-Dec-22	
L-093-2022/0	Dougherty, Kelly		Pliant Therapeutics, Inc.	27-Dec-22	
L-093-2022/0	Hollingshead, Melinda G.		Pliant Therapeutics, Inc.	27-Dec-22	
L-125-2013/0	Gazdar, (b) (6) Adi		BioRad	28-Dec-22	
L-125-2013/0	Johnson, Bruce E		BioRad	28-Dec-22	
L-125-2013/0	Kaye, Frederic J		BioRad	28-Dec-22	
L-125-2013/0	Khleif, Samir N.		BioRad	28-Dec-22	
L-125-2013/0	Minna, John D.		BioRad	28-Dec-22	
L-125-2013/0	Oie, (b) (6) Herbert K		BioRad	28-Dec-22	
L-125-2013/0	Pass, Harvey I		BioRad	28-Dec-22	
L-200-2014/0	Austin, Faye C.		Becton, Dickinson and Company	28-Dec-22	
L-200-2014/0	Colcher, David		Becton, Dickinson and Company	28-Dec-22	
L-200-2014/0	Hand, Patricia H.		Becton, Dickinson and Company	28-Dec-22	
L-200-2014/0	Nuti, Marianna		Becton, Dickinson and Company	28-Dec-22	
L-200-2014/0	Schlom, Jeffrey		Becton, Dickinson and Company	28-Dec-22	

(b) (3) (A), (b) (4), (b) (6)

L-077-2015/2	NCI		Kite Pharma, Inc.	28-Dec-22
		(b) (4), (b) (6)		
L-204-2019/0	Moore, William J.		Vanderbilt University	28-Dec-22
L-204-2019/0	Neckers, Leonard		Vanderbilt University	28-Dec-22
Note: L-204-2019/0 split between NCATS; NCI				
L-101-2020/0	Bonomi, Carrie A.		Carisma Therapeutics Inc.	28-Dec-22
L-101-2020/0	Borgel, Suzanne D.		Carisma Therapeutics Inc.	28-Dec-22
L-101-2020/0	Dougherty, Kelly		Carisma Therapeutics Inc.	28-Dec-22
L-101-2020/0	Hollingshead, Melinda G.		Carisma Therapeutics Inc.	28-Dec-22
L-201-2020/0	Gao, Wei		Navrogen Inc	28-Dec-22
L-201-2020/0	Hassan, Raffit		Navrogen Inc	28-Dec-22
L-201-2020/0	Ho, Mitchell		Navrogen Inc	28-Dec-22
L-201-2020/0	Pastan, Ira H.		Navrogen Inc	28-Dec-22
L-201-2020/0	Phung, Yen T.		Navrogen Inc	28-Dec-22
L-201-2020/0	Zhang, Yifan		Navrogen Inc	28-Dec-22
L-260-2020/0	Gazdar, (b) (6) Adi		Circle Pharma	28-Dec-22
L-260-2020/0	Johnson, Bruce E		Circle Pharma	28-Dec-22
L-260-2020/0	Kaye, Frederic J		Circle Pharma	28-Dec-22
L-260-2020/0	Khleif, Samir N.		Circle Pharma	28-Dec-22
L-260-2020/0	Minna, John D.		Circle Pharma	28-Dec-22
L-260-2020/0	Oie, (b) (6) Herbert K		Circle Pharma	28-Dec-22
L-260-2020/0	Pass, Harvey I		Circle Pharma	28-Dec-22
L-264-2020/0	Neckers, Leonard		Vanderbilt University	28-Dec-22
Note: L-264-2020/0 split between NCATS; NCI				
L-170-2021/0	Copeland, Amy		Fresh Wind Biotechnologies USA, Inc.	28-Dec-22
L-170-2021/0	Gros, Alena		Fresh Wind Biotechnologies USA, Inc.	28-Dec-22
L-170-2021/0	Hanada, Kenichi		Fresh Wind Biotechnologies USA, Inc.	28-Dec-22
L-170-2021/0	Krishna, Sri		Fresh Wind Biotechnologies USA, Inc.	28-Dec-22
L-170-2021/0	Lowery, Frank		Fresh Wind Biotechnologies USA, Inc.	28-Dec-22
L-170-2021/0	Robbins, Paul F		Fresh Wind Biotechnologies USA, Inc.	28-Dec-22
L-170-2021/0	Yang, James Chung-Yin		Fresh Wind Biotechnologies USA, Inc.	28-Dec-22
L-170-2021/0	Yoseph, Rami		Fresh Wind Biotechnologies USA, Inc.	28-Dec-22
L-050-2022/0	Gazdar, (b) (6) Adi		SK Biopharmaceuticals Co., Ltd.	28-Dec-22
L-050-2022/0	Johnson, Bruce E		SK Biopharmaceuticals Co., Ltd.	28-Dec-22
L-050-2022/0	Kaye, Frederic J		SK Biopharmaceuticals Co., Ltd.	28-Dec-22
L-050-2022/0	Khleif, Samir N.		SK Biopharmaceuticals Co., Ltd.	28-Dec-22
L-050-2022/0	Minna, John D.		SK Biopharmaceuticals Co., Ltd.	28-Dec-22
L-050-2022/0	Oie, (b) (6) Herbert K		SK Biopharmaceuticals Co., Ltd.	28-Dec-22
L-050-2022/0	Pass, Harvey I		SK Biopharmaceuticals Co., Ltd.	28-Dec-22
L-051-2022/0	Gazdar, (b) (6) Adi		Betta Pharmaceuticals Co., Ltd.	28-Dec-22
L-051-2022/0	Johnson, Bruce E		Betta Pharmaceuticals Co., Ltd.	28-Dec-22
L-051-2022/0	Kaye, Frederic J		Betta Pharmaceuticals Co., Ltd.	28-Dec-22
L-051-2022/0	Khleif, Samir N.		Betta Pharmaceuticals Co., Ltd.	28-Dec-22
L-051-2022/0	Minna, John D.		Betta Pharmaceuticals Co., Ltd.	28-Dec-22
L-051-2022/0	Oie, (b) (6) Herbert K		Betta Pharmaceuticals Co., Ltd.	28-Dec-22
L-051-2022/0	Pass, Harvey I		Betta Pharmaceuticals Co., Ltd.	28-Dec-22
L-206-2022/0	Gazdar, (b) (6) Adi		WuXi Biologics Ireland Limited	28-Dec-22
L-206-2022/0	Johnson, Bruce E		WuXi Biologics Ireland Limited	28-Dec-22
L-206-2022/0	Kaye, Frederic J		WuXi Biologics Ireland Limited	28-Dec-22

L-206-2022/0	Khleif, Samir N.	(b) (4), (b) (6)	WuXi Biologics Ireland Limited	28-Dec-22	(b) (3) (A), (b) (4), (b) (6)
L-206-2022/0	Minna, John D.		WuXi Biologics Ireland Limited	28-Dec-22	
L-206-2022/0	Oie, (b) (6) Herbert K		WuXi Biologics Ireland Limited	28-Dec-22	
L-206-2022/0	Pass, Harvey I		WuXi Biologics Ireland Limited	28-Dec-22	
L-093-2010/1	Chang, Nancy T.		BioLytical Labs	29-Dec-22	
L-093-2010/1	Crowl, Robert		BioLytical Labs	29-Dec-22	
L-093-2010/1	Gallo, Robert C.		BioLytical Labs	29-Dec-22	
L-093-2010/1	(b) (4)		BioLytical Labs	29-Dec-22	
L-093-2010/1	Reddy, E. Premkumar.		BioLytical Labs	29-Dec-22	
L-093-2010/1	Shaw, George M		BioLytical Labs	29-Dec-22	
L-093-2010/1	Wong-Staal (b) (6)		BioLytical Labs	29-Dec-22	
L-094-2020/1	Morgan, Richard A.		Innovative Cellular Therapeutics	29-Dec-22	
L-094-2020/1	Restifo, Nicholas P.		Innovative Cellular Therapeutics	29-Dec-22	
L-094-2020/1	Zhang, Ling		Innovative Cellular Therapeutics	29-Dec-22	
L-073-2022/0	Gazdar, (b) (6) Adi		Betta Pharmaceuticals Co., Ltd.	29-Dec-22	
L-073-2022/0	Johnson, Bruce E		Betta Pharmaceuticals Co., Ltd.	29-Dec-22	
L-073-2022/0	Kaye, Frederic J		Betta Pharmaceuticals Co., Ltd.	29-Dec-22	
L-073-2022/0	Khleif, Samir N.		Betta Pharmaceuticals Co., Ltd.	29-Dec-22	
L-073-2022/0	Minna, John D.		Betta Pharmaceuticals Co., Ltd.	29-Dec-22	
L-073-2022/0	Oie, (b) (6) Herbert K		Betta Pharmaceuticals Co., Ltd.	29-Dec-22	
L-073-2022/0	Pass, Harvey I		Betta Pharmaceuticals Co., Ltd.	29-Dec-22	
L-247-2017/1	Beyer, Rachel K. B.		Revolution Medicines, Inc.	30-Dec-22	
L-247-2017/1	(b) (4)		Revolution Medicines, Inc.	30-Dec-22	
L-247-2017/1	Holderfield, Matthew T.		Revolution Medicines, Inc.	30-Dec-22	
L-247-2017/1	Soppet, Dan		Revolution Medicines, Inc.	30-Dec-22	
L-117-2018/1	Bonomi, Carrie A.		Morphic Therapeutic	30-Dec-22	
L-117-2018/1	Borgel, Suzanne D.		Morphic Therapeutic	30-Dec-22	
L-117-2018/1	Dougherty, Kelly		Morphic Therapeutic	30-Dec-22	
L-117-2018/1	Hollingshead, Melinda G.		Morphic Therapeutic	30-Dec-22	
L-255-2019/0	Buck, Christopher		BioE Holdings Inc.	30-Dec-22	
L-255-2019/0	Pastrana, Diana V		BioE Holdings Inc.	30-Dec-22	
L-255-2019/0	RAY, UPASANA		BioE Holdings Inc.	30-Dec-22	
L-158-2021/0	NCI		Kyverna Therapeutics	30-Dec-22	
L-159-2021/0	NCI		Kyverna Therapeutics	30-Dec-22	
L-020-2022/1	Ponraj, Prabakaran	(b) (4), (b) (6)	Caring Cross, Inc.	30-Dec-22	
L-020-2022/1	Ying, Tianlei		Caring Cross, Inc.	30-Dec-22	
L-021-2022/0	Bonomi, Carrie A.		Chimeron Bio	30-Dec-22	
L-021-2022/0	Borgel, Suzanne D.		Chimeron Bio	30-Dec-22	
L-021-2022/0	Dougherty, Kelly		Chimeron Bio	30-Dec-22	
L-021-2022/0	Hollingshead, Melinda G.		Chimeron Bio	30-Dec-22	

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total January Income	License Cumulative Income	Inventor Awards January	Net Remaining to IC
L-084-2011/3	Gazdar, (b) (6) Adi	(b) (4),	Nichirei Biosciences, Inc.	1-Jan-23						(b) (3) (A), (b) (4), (b) (6)
L-084-2011/3	Johnson, Bruce E	(b) (6)	Nichirei Biosciences, Inc.	1-Jan-23						
L-084-2011/3	Kaye, Frederic J		Nichirei Biosciences, Inc.	1-Jan-23						
L-084-2011/3	Khleif, Samir N.		Nichirei Biosciences, Inc.	1-Jan-23						
L-084-2011/3	Minna, John D.		Nichirei Biosciences, Inc.	1-Jan-23						
L-084-2011/3	Oie, (b) (6) Herbert K		Nichirei Biosciences, Inc.	1-Jan-23						
L-084-2011/3	Pass, Harvey I		Nichirei Biosciences, Inc.	1-Jan-23						
L-117-2009/2	Aaronson, Stuart A.		Targovax	3-Jan-23						
L-117-2009/2	(b) (6) Donald J. Giard		Targovax	3-Jan-23						
L-117-2009/2	Parks, Wade P.		Targovax	3-Jan-23						
L-257-2017/0	Buck, Christopher		Serum Institute of India PVT. LTD.	3-Jan-23						
L-257-2017/0	(b) (4)		Serum Institute of India PVT. LTD.	3-Jan-23						
L-257-2017/0	Lowy, Douglas R.		Serum Institute of India PVT. LTD.	3-Jan-23						
L-257-2017/0	Pastrana, Diana V		Serum Institute of India PVT. LTD.	3-Jan-23						
L-257-2017/0	Roden, Richard B.		Serum Institute of India PVT. LTD.	3-Jan-23						
L-257-2017/0	Schiller, John T		Serum Institute of India PVT. LTD.	3-Jan-23						
L-241-2019/0	Buck, Christopher		Pomona Ricerca SRL	3-Jan-23						
L-241-2019/0	Pastrana, Diana V		Pomona Ricerca SRL	3-Jan-23						
L-241-2019/0	Schiller, John T		Pomona Ricerca SRL	3-Jan-23						
L-141-2021/0	Gazdar, (b) (6) Adi		Champions Oncology, Inc.	3-Jan-23						
L-141-2021/0	Johnson, Bruce E		Champions Oncology, Inc.	3-Jan-23						
L-141-2021/0	Kaye, Frederic J		Champions Oncology, Inc.	3-Jan-23						
L-141-2021/0	Khleif, Samir N.		Champions Oncology, Inc.	3-Jan-23						
L-141-2021/0	Minna, John D.		Champions Oncology, Inc.	3-Jan-23						
L-141-2021/0	Oie, (b) (6) Herbert K		Champions Oncology, Inc.	3-Jan-23						
L-141-2021/0	Pass, Harvey I		Champions Oncology, Inc.	3-Jan-23						
L-020-2022/1	Ponraj, Prabakaran		Caring Cross, Inc.	3-Jan-23						
L-020-2022/1	Ying, Tianlei		Caring Cross, Inc.	3-Jan-23						
L-064-2022/0	Fry, Terry		Caring Cross, Inc.	3-Jan-23						
L-064-2022/0	Haso, Waleed		Caring Cross, Inc.	3-Jan-23						
L-064-2022/0	Mackall, Crystal L		Caring Cross, Inc.	3-Jan-23						
L-064-2022/0	Orentas, Rimas J.		Caring Cross, Inc.	3-Jan-23						
L-064-2022/0	Pastan, Ira H.		Caring Cross, Inc.	3-Jan-23						
L-064-2022/0	Qin, Haiying		Caring Cross, Inc.	3-Jan-23						
L-064-2022/0	Ramakrishna, Sneha		Caring Cross, Inc.	3-Jan-23						
L-064-2022/0	Xiao, Xiaodong		Caring Cross, Inc.	3-Jan-23						
L-064-2022/0	Zhu, Zhongyu		Caring Cross, Inc.	3-Jan-23						
L-033-2023/0	Bonomi, Carrie A.		CatalYm GmbH	3-Jan-23						
L-033-2023/0	Dougherty, Kelly		CatalYm GmbH	3-Jan-23						
L-033-2023/0	Hollingshead, Melinda G.		CatalYm GmbH	3-Jan-23						
L-080-1993/3	Hathcock, Karen		BD Biosciences - BD PharMingen, Inc.	4-Jan-23						
L-080-1993/3	Hodes, Richard J		BD Biosciences - BD PharMingen, Inc.	4-Jan-23						
L-080-1993/3	Laszlo, Gloria		BD Biosciences - BD PharMingen, Inc.	4-Jan-23						
L-187-1995/2	Yoshimura, Teizo		BD BIOSCIENCES	4-Jan-23						

L-024-1997/2	Kawakami, Yutaka	(b) (4), (b) (6)	BioLegend, Inc.	4-Jan-23	(b) (3) (A), (b) (4), (b) (6)
L-010-2008/1	Hathcock, Karen		BioLegend	4-Jan-23	
L-010-2008/1	Hodes, Richard J		BioLegend	4-Jan-23	
L-010-2008/1	Laszlo, Gloria		BioLegend	4-Jan-23	
L-042-2008/1	Azimi, Nazli		Biolegend	4-Jan-23	
L-042-2008/1	Dubois, Sigrid		Biolegend	4-Jan-23	
L-042-2008/1	Goldman, Carolyn		Biolegend	4-Jan-23	
L-042-2008/1	Kilbourne, Jennifer Mariner		Biolegend	4-Jan-23	
L-042-2008/1	Lantz, Valerie A		Biolegend	4-Jan-23	
L-042-2008/1	Waldmann, Thomas A.		Biolegend	4-Jan-23	
L-136-2009/1	Mason, Llewellyn H.		BioLegend	4-Jan-23	
L-136-2009/1	Ortaldo, John R.		BioLegend	4-Jan-23	
L-007-2011/2	Onda, Masanori		BioLegend	4-Jan-23	
L-007-2011/2	Pastan, Ira H.		BioLegend	4-Jan-23	
L-037-2011/1	Jelinek, Ivett		BioLegend	4-Jan-23	
L-037-2011/1	Segal, David M.		BioLegend	4-Jan-23	
L-037-2011/1	Wang, Yan		BioLegend	4-Jan-23	
L-039-2011/0	Onda, Masanori		Rockland Immunochemicals, Inc.	4-Jan-23	
L-039-2011/0	Pastan, Ira H.		Rockland Immunochemicals, Inc.	4-Jan-23	
L-070-2012/1	Hathcock, Karen		BioLegend	4-Jan-23	
L-070-2012/1	Hodes, Richard J		BioLegend	4-Jan-23	
L-070-2012/1	Laszlo, Gloria		BioLegend	4-Jan-23	
L-095-2012/0	Baskar, Sivasubramanian		BioLegend	4-Jan-23	
L-095-2012/0	Rader, Christoph		BioLegend	4-Jan-23	
L-198-2015/0	Ise, Tomoko		BioLegend	4-Jan-23	
L-198-2015/0	Nagata, Satoshi		BioLegend	4-Jan-23	
L-198-2015/0	Pastan, Ira H.		BioLegend	4-Jan-23	
L-076-2016/0	Azimi, Nazli		BD Biosciences	4-Jan-23	
L-076-2016/0	Dubois, Sigrid		BD Biosciences	4-Jan-23	
L-076-2016/0	Goldman, Carolyn		BD Biosciences	4-Jan-23	
L-076-2016/0	Kilbourne, Jennifer Mariner		BD Biosciences	4-Jan-23	
L-076-2016/0	Lantz, Valerie A		BD Biosciences	4-Jan-23	
L-076-2016/0	Waldmann, Thomas A.		BD Biosciences	4-Jan-23	
L-161-2018/1	Gazdar, (b) (6) Adi		NEUVOGEN, Inc	4-Jan-23	
L-161-2018/1	Johnson, Bruce E		NEUVOGEN, Inc	4-Jan-23	
L-161-2018/1	Kaye, Frederic J		NEUVOGEN, Inc	4-Jan-23	
L-161-2018/1	Khleif, Samir N.		NEUVOGEN, Inc	4-Jan-23	
L-161-2018/1	Minna, John D.		NEUVOGEN, Inc	4-Jan-23	
L-161-2018/1	Oie, (b) (6) Herbert K		NEUVOGEN, Inc	4-Jan-23	
L-161-2018/1	Pass, Harvey I		NEUVOGEN, Inc	4-Jan-23	
L-085-2019/1	Aaronson, Stuart A.		NEUVOGEN, Inc	4-Jan-23	
L-085-2019/1	(b) (6) Donald J. Giard		NEUVOGEN, Inc	4-Jan-23	
L-085-2019/1	Gazdar, (b) (6) Adi		NEUVOGEN, Inc	4-Jan-23	
L-085-2019/1	Johnson, Bruce E		NEUVOGEN, Inc	4-Jan-23	
L-085-2019/1	Kaye, Frederic J		NEUVOGEN, Inc	4-Jan-23	

(b) (3) (A), (b) (4), (b) (6)

L-085-2019/1	Khleif, Samir N.	(b) (4), (b) (6)	NEUVOGEN, Inc	4-Jan-23
L-085-2019/1	Minna, John D.		NEUVOGEN, Inc	4-Jan-23
L-085-2019/1	Oie, (b) (6) Herbert K		NEUVOGEN, Inc	4-Jan-23
L-085-2019/1	Parks, Wade P.		NEUVOGEN, Inc	4-Jan-23
L-085-2019/1	Pass, Harvey I		NEUVOGEN, Inc	4-Jan-23
L-190-2019/5	Cafri, Gal		Alaunos Therapeutics, Inc.	4-Jan-23
L-190-2019/5	Deniger, Drew		Alaunos Therapeutics, Inc.	4-Jan-23
L-190-2019/5	Feldman, Steven A		Alaunos Therapeutics, Inc.	4-Jan-23
L-190-2019/5	Fitzgerald, Peter C.		Alaunos Therapeutics, Inc.	4-Jan-23
L-190-2019/5	Hanada, Kenichi		Alaunos Therapeutics, Inc.	4-Jan-23
L-190-2019/5	Kim, Sanghyun		Alaunos Therapeutics, Inc.	4-Jan-23
L-190-2019/5	Levin, Noam		Alaunos Therapeutics, Inc.	4-Jan-23
L-190-2019/5	Lo, Winifred Margaret		Alaunos Therapeutics, Inc.	4-Jan-23
L-190-2019/5	Lowery, Frank		Alaunos Therapeutics, Inc.	4-Jan-23
L-190-2019/5	Lu, Yong-Chen		Alaunos Therapeutics, Inc.	4-Jan-23
L-190-2019/5	Malekzadeh, Parisa		Alaunos Therapeutics, Inc.	4-Jan-23
L-190-2019/5	Paria, Biman		Alaunos Therapeutics, Inc.	4-Jan-23
L-190-2019/5	Parkhurst, Maria		Alaunos Therapeutics, Inc.	4-Jan-23
L-190-2019/5	Pasetto, Anna		Alaunos Therapeutics, Inc.	4-Jan-23
L-190-2019/5	Robbins, Paul F		Alaunos Therapeutics, Inc.	4-Jan-23
L-190-2019/5	Tran, Eric		Alaunos Therapeutics, Inc.	4-Jan-23
L-190-2019/5	Yang, James Chung-Yin		Alaunos Therapeutics, Inc.	4-Jan-23
L-190-2019/5	Yoseph, Rami		Alaunos Therapeutics, Inc.	4-Jan-23
L-190-2019/5	Zacharakis, Nikolaos		Alaunos Therapeutics, Inc.	4-Jan-23
L-190-2019/5	Zhao, Chihao		Alaunos Therapeutics, Inc.	4-Jan-23
L-190-2019/5	Zheng, Zhili		Alaunos Therapeutics, Inc.	4-Jan-23
L-190-2019/5	NCI		Alaunos Therapeutics, Inc.	4-Jan-23
L-061-2021/0	Bonomi, Carrie A.	(b) (4), (b) (6)	Amunix Pharmaceuticals, Inc.	4-Jan-23
L-061-2021/0	Borgel, Suzanne D.		Amunix Pharmaceuticals, Inc.	4-Jan-23
L-061-2021/0	Dougherty, Kelly		Amunix Pharmaceuticals, Inc.	4-Jan-23
L-061-2021/0	Hollingshead, Melinda G.		Amunix Pharmaceuticals, Inc.	4-Jan-23
L-102-2021/0	Felber, Barbara K.		Biolegend, Inc	4-Jan-23
L-102-2021/0	Pavlakis, George N		Biolegend, Inc	4-Jan-23
L-102-2021/0	Valentin, Antonio L.		Biolegend, Inc	4-Jan-23
L-158-2021/0	NCI		Kyverna Therapeutics	4-Jan-23
L-205-2021/0	Hinrichs, Christian S.	(b) (4), (b) (6)	Zelluna Immunotherapy AS	4-Jan-23
L-205-2021/0	Stevanovic, Sanja		Zelluna Immunotherapy AS	4-Jan-23
L-045-2022/0	Hinrichs, Christian S.		Zelluna Immunotherapy AS	4-Jan-23
L-055-2022/0	Cafri, Gal		Neogene Therapeutics, Inc.	4-Jan-23
L-055-2022/0	Deniger, Drew		Neogene Therapeutics, Inc.	4-Jan-23
L-055-2022/0	Hanada, Kenichi		Neogene Therapeutics, Inc.	4-Jan-23
L-055-2022/0	Kim, Sanghyun		Neogene Therapeutics, Inc.	4-Jan-23
L-055-2022/0	Levin, Noam		Neogene Therapeutics, Inc.	4-Jan-23
L-055-2022/0	Lo, Winifred Margaret		Neogene Therapeutics, Inc.	4-Jan-23
L-055-2022/0	Lowery, Frank		Neogene Therapeutics, Inc.	4-Jan-23
L-055-2022/0	Lu, Yong-Chen		Neogene Therapeutics, Inc.	4-Jan-23
L-055-2022/0	Malekzadeh, Parisa		Neogene Therapeutics, Inc.	4-Jan-23
L-055-2022/0	Paria, Biman		Neogene Therapeutics, Inc.	4-Jan-23
L-055-2022/0	Parkhurst, Maria		Neogene Therapeutics, Inc.	4-Jan-23

		(b) (4), (b) (6)			(b) (3) (A), (b) (4), (b) (6)
L-055-2022/0	Pasetto, Anna		Neogene Therapeutics, Inc.	4-Jan-23	
L-055-2022/0	Robbins, Paul F		Neogene Therapeutics, Inc.	4-Jan-23	
L-055-2022/0	Tran, Eric		Neogene Therapeutics, Inc.	4-Jan-23	
L-055-2022/0	Wang, Qiong		Neogene Therapeutics, Inc.	4-Jan-23	
L-055-2022/0	Yang, James Chung-Yin		Neogene Therapeutics, Inc.	4-Jan-23	
L-055-2022/0	Yoseph, Rami		Neogene Therapeutics, Inc.	4-Jan-23	
L-055-2022/0	Yu, Zhiya		Neogene Therapeutics, Inc.	4-Jan-23	
L-055-2022/0	Zacharakis, Nikolaos		Neogene Therapeutics, Inc.	4-Jan-23	
L-055-2022/0	Zheng, Zhili		Neogene Therapeutics, Inc.	4-Jan-23	
L-055-2022/0	Cafri, Gal		Neogene Therapeutics, Inc.	4-Jan-23	
L-055-2022/0	Deniger, Drew		Neogene Therapeutics, Inc.	4-Jan-23	
L-055-2022/0	Hanada, Kenichi		Neogene Therapeutics, Inc.	4-Jan-23	
L-055-2022/0	Kim, Sanghyun		Neogene Therapeutics, Inc.	4-Jan-23	
L-055-2022/0	Levin, Noam		Neogene Therapeutics, Inc.	4-Jan-23	
L-055-2022/0	Lo, Winifred Margaret		Neogene Therapeutics, Inc.	4-Jan-23	
L-055-2022/0	Lowery, Frank		Neogene Therapeutics, Inc.	4-Jan-23	
L-055-2022/0	Lu, Yong-Chen		Neogene Therapeutics, Inc.	4-Jan-23	
L-055-2022/0	Malekzadeh, Parisa		Neogene Therapeutics, Inc.	4-Jan-23	
L-055-2022/0	Paria, Biman		Neogene Therapeutics, Inc.	4-Jan-23	
L-055-2022/0	Parkhurst, Maria		Neogene Therapeutics, Inc.	4-Jan-23	
L-055-2022/0	Pasetto, Anna		Neogene Therapeutics, Inc.	4-Jan-23	
L-055-2022/0	Robbins, Paul F		Neogene Therapeutics, Inc.	4-Jan-23	
L-055-2022/0	Tran, Eric		Neogene Therapeutics, Inc.	4-Jan-23	
L-055-2022/0	Wang, Qiong		Neogene Therapeutics, Inc.	4-Jan-23	
L-055-2022/0	Yang, James Chung-Yin		Neogene Therapeutics, Inc.	4-Jan-23	
L-055-2022/0	Yoseph, Rami		Neogene Therapeutics, Inc.	4-Jan-23	
L-055-2022/0	Yu, Zhiya		Neogene Therapeutics, Inc.	4-Jan-23	
L-055-2022/0	Zacharakis, Nikolaos		Neogene Therapeutics, Inc.	4-Jan-23	
L-055-2022/0	Zheng, Zhili		Neogene Therapeutics, Inc.	4-Jan-23	
L-086-2022/0	Gazdar, (b) (6) Adi		Immatics GmbH	4-Jan-23	
L-086-2022/0	Johnson, Bruce E		Immatics GmbH	4-Jan-23	
L-086-2022/0	Kaye, Frederic J		Immatics GmbH	4-Jan-23	
L-086-2022/0	Khleif, Samir N.		Immatics GmbH	4-Jan-23	
L-086-2022/0	Minna, John D.		Immatics GmbH	4-Jan-23	
L-086-2022/0	Oie, (b) (6) Herbert K		Immatics GmbH	4-Jan-23	
L-086-2022/0	Pass, Harvey I		Immatics GmbH	4-Jan-23	
L-188-2022/0	Fleming, Bryan		Cell Signaling Technology, Inc.	4-Jan-23	
L-188-2022/0	Ho, Mitchell		Cell Signaling Technology, Inc.	4-Jan-23	
L-188-2022/0	Li, Nan		Cell Signaling Technology, Inc.	4-Jan-23	
L-221-2022/0	Gazdar, (b) (6) Adi		Charles River Discovery Research Science	4-Jan-23	
L-221-2022/0	Johnson, Bruce E		Charles River Discovery Research Science	4-Jan-23	
L-221-2022/0	Kaye, Frederic J		Charles River Discovery Research Science	4-Jan-23	
L-221-2022/0	Khleif, Samir N.		Charles River Discovery Research Science	4-Jan-23	
L-221-2022/0	Minna, John D.		Charles River Discovery Research Science	4-Jan-23	
L-221-2022/0	Oie, (b) (6) Herbert K		Charles River Discovery Research Science	4-Jan-23	
L-221-2022/0	Pass, Harvey I		Charles River Discovery Research Science	4-Jan-23	
L-071-1993/0	Aaronson, Stuart A.		LIFE TECHNOLOGIES	5-Jan-23	
L-071-1993/0	Finch, Paul W.		LIFE TECHNOLOGIES	5-Jan-23	
L-071-1993/0	Rubin, Jeffrey S		LIFE TECHNOLOGIES	5-Jan-23	
L-049-2000/1	Hathcock, Karen		eBioscience, Inc..	5-Jan-23	
L-049-2000/1	Hodes, Richard J		eBioscience, Inc..	5-Jan-23	

(b) (4), (b) (6)

(b) (3) (A), (b) (4), (b) (6)

L-049-2000/1	Laszlo, Gloria	eBioscience, Inc..	5-Jan-23
Note: L-049-2000/1 split between NCI; NIAID			
L-206-2000/0	Aaronson, Stuart A.	LIFE TECHNOLOGIES	5-Jan-23
L-206-2000/0	King, Charles R.	LIFE TECHNOLOGIES	5-Jan-23
L-206-2000/0	Kraus, (b) (6) Matthias	LIFE TECHNOLOGIES	5-Jan-23
L-317-2002/2	Hathcock, Karen	Affymetrix, Inc.	5-Jan-23
L-317-2002/2	Hodes, Richard J	Affymetrix, Inc.	5-Jan-23
L-317-2002/2	Laszlo, Gloria	Affymetrix, Inc.	5-Jan-23
L-114-2006/1	Azimi, Nazli	Affymetrix, Inc.	5-Jan-23
L-114-2006/1	Dubois, Sigrid	Affymetrix, Inc.	5-Jan-23
L-114-2006/1	Goldman, Carolyn	Affymetrix, Inc.	5-Jan-23
L-114-2006/1	Kilbourne, Jennifer Mariner	Affymetrix, Inc.	5-Jan-23
L-114-2006/1	Lantz, Valerie A	Affymetrix, Inc.	5-Jan-23
L-114-2006/1	Waldmann, Thomas A.	Affymetrix, Inc.	5-Jan-23
L-004-2007/2	Qasba, Pradman	Life Technologies Corp.	5-Jan-23
L-004-2007/2	Ramakrishnan, Boopathy	Life Technologies Corp.	5-Jan-23
L-068-2018/2	Bonomi, Carrie A.	Dicerna Pharmaceuticals, Inc	5-Jan-23
L-068-2018/2	Dougherty, Kelly	Dicerna Pharmaceuticals, Inc	5-Jan-23
L-068-2018/2	Hollingshead, Melinda G.	Dicerna Pharmaceuticals, Inc	5-Jan-23
L-152-2020/1	Felber, Barbara K.	Cidara Therapeutics, Inc.	5-Jan-23
L-152-2020/1	Pavlakis, George N	Cidara Therapeutics, Inc.	5-Jan-23
L-131-2021/0	Bonomi, Carrie A.	Orion Corporation	5-Jan-23
L-131-2021/0	Borgel, Suzanne D.	Orion Corporation	5-Jan-23
L-131-2021/0	Dougherty, Kelly	Orion Corporation	5-Jan-23
L-131-2021/0	Hollingshead, Melinda G.	Orion Corporation	5-Jan-23
L-168-2021/0	Aaronson, Stuart A.	Genentech, Inc	5-Jan-23
L-168-2021/0	Ellmore, Nelson	Genentech, Inc	5-Jan-23
L-225-2021/1	Aaronson, Stuart A.	Univercells SA	5-Jan-23
L-225-2021/1	(b) (6) Donald J. Giard	Univercells SA	5-Jan-23
L-225-2021/1	Parks, Wade P.	Univercells SA	5-Jan-23
L-005-2022/0	Bonomi, Carrie A.	Dicerna Pharmaceuticals, Inc	5-Jan-23
L-005-2022/0	Borgel, Suzanne D.	Dicerna Pharmaceuticals, Inc	5-Jan-23
L-005-2022/0	Dougherty, Kelly	Dicerna Pharmaceuticals, Inc	5-Jan-23
L-005-2022/0	Hollingshead, Melinda G.	Dicerna Pharmaceuticals, Inc	5-Jan-23
L-082-2022/0	Gottesman, Michael M.	Bristol-Myers Squibb Company	5-Jan-23
L-082-2022/0	Pastan, Ira H.	Bristol-Myers Squibb Company	5-Jan-23
L-082-2022/0	Ueda, Kazumitsu	Bristol-Myers Squibb Company	5-Jan-23
L-114-2022/0	Bonomi, Carrie A.	MuriGenics, In	5-Jan-23
L-114-2022/0	Borgel, Suzanne D.	MuriGenics, In	5-Jan-23
L-114-2022/0	Dougherty, Kelly	MuriGenics, In	5-Jan-23
L-114-2022/0	Hollingshead, Melinda G.	MuriGenics, In	5-Jan-23
L-089-2019/0	Gazdar, (b) (6) Adi	Guardant Health, Inc.	6-Jan-23
L-089-2019/0	Johnson, Bruce E	Guardant Health, Inc.	6-Jan-23
L-089-2019/0	Kaye, Frederic J	Guardant Health, Inc.	6-Jan-23

(b) (3) (A), (b) (4), (b) (6)

L-089-2019/0	Khleif, Samir N.	(b) (4), (b) (6)	Guardant Health, Inc.	6-Jan-23
L-089-2019/0	Minna, John D.		Guardant Health, Inc.	6-Jan-23
L-089-2019/0	Oie, (b) (6) Herbert K		Guardant Health, Inc.	6-Jan-23
L-089-2019/0	Pass, Harvey I		Guardant Health, Inc.	6-Jan-23
L-146-2019/0	Hinrichs, Christian S.		Adicet Bio	6-Jan-23
L-146-2019/0	Jin, Benjamin Yongzu		Adicet Bio	6-Jan-23
L-168-2022/0	Esposito, Dominic		LEXEO Therapeutics, Inc.	6-Jan-23
L-168-2022/0	Hopkins, Ralph F.		LEXEO Therapeutics, Inc.	6-Jan-23
L-086-2011/0	Baskar, Sivasubramanian		Miltenyi Biotec GMBH	9-Jan-23
L-086-2011/0	Rader, Christoph		Miltenyi Biotec GMBH	9-Jan-23
L-302-2017/1	Bonomi, Carrie A.		Pfizer Global Research & Development	10-Jan-23
L-302-2017/1	Borgel, Suzanne D.		Pfizer Global Research & Development	10-Jan-23
L-302-2017/1	Dougherty, Kelly		Pfizer Global Research & Development	10-Jan-23
L-302-2017/1	Hollingshead, Melinda G.		Pfizer Global Research & Development	10-Jan-23
L-184-2018/1	Bonomi, Carrie A.		Xilio Development, Inc.	10-Jan-23
L-184-2018/1	Borgel, Suzanne D.		Xilio Development, Inc.	10-Jan-23
L-184-2018/1	Dougherty, Kelly		Xilio Development, Inc.	10-Jan-23
L-184-2018/1	Hollingshead, Melinda G.		Xilio Development, Inc.	10-Jan-23
L-158-2021/0	NCI		Kyverna Therapeutics	10-Jan-23
L-014-2022/0	Bonomi, Carrie A.	(b) (4), (b) (6)	TheRNA immunotherapies	10-Jan-23
L-014-2022/0	Borgel, Suzanne D.		TheRNA immunotherapies	10-Jan-23
L-014-2022/0	Dougherty, Kelly		TheRNA immunotherapies	10-Jan-23
L-014-2022/0	Hollingshead, Melinda G.		TheRNA immunotherapies	10-Jan-23
L-036-2022/0	Boyd, Michael R.		he Population Council, Inc	10-Jan-23
L-036-2022/0	McMahon, James		he Population Council, Inc	10-Jan-23
L-036-2022/0	Mori, Toshiyuki		he Population Council, Inc	10-Jan-23
L-036-2022/0	O'Keefe, Barry		he Population Council, Inc	10-Jan-23
L-049-2022/0	Buck, Christopher		Molecular Partners AG	10-Jan-23
L-049-2022/0	Pastrana, Diana V		Molecular Partners AG	10-Jan-23
L-049-2022/0	Schiller, John T		Molecular Partners AG	10-Jan-23
L-208-2013/0	Bernardo, Marcelino L. (b)		akuten Medical	11-Jan-23
L-208-2013/0	Choyke, Peter L		akuten Medical	11-Jan-23
L-208-2013/0	Kobayashi, Hisataka		akuten Medical	11-Jan-23
L-208-2013/0	Mitsunaga, Makoto		akuten Medical	11-Jan-23
L-169-2015/2	Gottesman, Michael M.		nanta Pharmaceuticals, Inc.	11-Jan-23
L-169-2015/2	Pastan, Ira H.		nanta Pharmaceuticals, Inc.	11-Jan-23
L-169-2015/2	Ueda, Kazumitsu		nanta Pharmaceuticals, Inc.	11-Jan-23
L-297-2019/0	Bonomi, Carrie A.		ncyte Corporation	11-Jan-23
L-297-2019/0	Borgel, Suzanne D.		ncyte Corporation	11-Jan-23
L-297-2019/0	Dougherty, Kelly		ncyte Corporation	11-Jan-23
L-297-2019/0	Hodge, James W.		ncyte Corporation	11-Jan-23
L-297-2019/0	Hollingshead, Melinda G.		ncyte Corporation	11-Jan-23
L-297-2019/0	Schlom, Jeffrey		ncyte Corporation	11-Jan-23
L-056-2020/0	Gazdar, (b) (6) Adi		Amplify Medicines	11-Jan-23

		(b) (4), (b) (6)			(b) (3) (A), (b) (4), (b) (6)
L-056-2020/0	Johnson, Bruce E		Amplify Medicines	11-Jan-23	
L-056-2020/0	Kaye, Frederic J		Amplify Medicines	11-Jan-23	
L-056-2020/0	Khleif, Samir N.		Amplify Medicines	11-Jan-23	
L-056-2020/0	Minna, John D.		Amplify Medicines	11-Jan-23	
L-056-2020/0	Oie, (b) (6) Herbert K		Amplify Medicines	11-Jan-23	
L-056-2020/0	Pass, Harvey I		Amplify Medicines	11-Jan-23	
L-064-2022/0	Fry, Terry		Caring Cross, Inc.	11-Jan-23	
L-064-2022/0	Haso, Waleed		Caring Cross, Inc.	11-Jan-23	
L-064-2022/0	Mackall, Crystal L		Caring Cross, Inc.	11-Jan-23	
L-064-2022/0	Orentas, Rimas J.		Caring Cross, Inc.	11-Jan-23	
L-064-2022/0	Pastan, Ira H.		Caring Cross, Inc.	11-Jan-23	
L-064-2022/0	Qin, Haiying		Caring Cross, Inc.	11-Jan-23	
L-064-2022/0	Ramakrishna, Sneha		Caring Cross, Inc.	11-Jan-23	
L-064-2022/0	Xiao, Xiaodong		Caring Cross, Inc.	11-Jan-23	
L-064-2022/0	Zhu, Zhongyu		Caring Cross, Inc.	11-Jan-23	
L-245-1994/1	Gallo, Robert C.		SearCare Life Sciences	12-Jan-23	
L-245-1994/1	Popovic, Mikulas		SearCare Life Sciences	12-Jan-23	
L-245-1994/1	Sarngadharan, Mangalasseril		SearCare Life Sciences	12-Jan-23	
Note: L-245-1994/1 split between NCI; NIAID					
L-161-2004/1	Gallo, Robert C.		SeraCare Life Sciences, Inc.	12-Jan-23	
L-161-2004/1	(b) (4)		SeraCare Life Sciences, Inc.	12-Jan-23	
L-161-2004/1	Popovic, Mikulas		SeraCare Life Sciences, Inc.	12-Jan-23	
L-161-2004/1	Sarngadharan, Mangalasseril		SeraCare Life Sciences, Inc.	12-Jan-23	
L-011-2006/0	Barry, Todd		Dako Denmark A/S	12-Jan-23	
L-011-2006/0	Rosenwald, Andreas		Dako Denmark A/S	12-Jan-23	
L-011-2006/0	Staudt, Louis M		Dako Denmark A/S	12-Jan-23	
L-011-2006/0	Wiestner, Adrian		Dako Denmark A/S	12-Jan-23	
L-011-2006/0	Wilson, Wyndham H.		Dako Denmark A/S	12-Jan-23	
L-091-2011/0	Chang, Nancy T.		Quest Diagnostics, Inc.	12-Jan-23	
L-091-2011/0	Fisher, Amanda G.		Quest Diagnostics, Inc.	12-Jan-23	
L-091-2011/0	Gallo, Robert C.		Quest Diagnostics, Inc.	12-Jan-23	
L-091-2011/0	Hahn, Beatrice		Quest Diagnostics, Inc.	12-Jan-23	
L-091-2011/0	(b) (4)		Quest Diagnostics, Inc.	12-Jan-23	
L-091-2011/0	Popovic, Mikulas		Quest Diagnostics, Inc.	12-Jan-23	
L-091-2011/0	Sarngadharan, Mangalasseril		Quest Diagnostics, Inc.	12-Jan-23	
L-091-2011/0	Shaw, George M		Quest Diagnostics, Inc.	12-Jan-23	
L-091-2011/0	Wong-Staal Family Tr, The		Quest Diagnostics, Inc.	12-Jan-23	
L-239-2015/0	Gazdar, (b) (6) Adi		Dako North America	12-Jan-23	
L-239-2015/0	Johnson, Bruce E		Dako North America	12-Jan-23	
L-239-2015/0	Kaye, Frederic J		Dako North America	12-Jan-23	
L-239-2015/0	Khleif, Samir N.		Dako North America	12-Jan-23	
L-239-2015/0	Minna, John D.		Dako North America	12-Jan-23	
L-239-2015/0	Oie, (b) (6) Herbert K		Dako North America	12-Jan-23	
L-239-2015/0	Pass, Harvey I		Dako North America	12-Jan-23	
L-214-2019/0	Gallo, Robert C.		Cerus Corporation	12-Jan-23	
L-214-2019/0	Popovic, Mikulas		Cerus Corporation	12-Jan-23	
L-215-2019/0	Gottesman, Michael M.		Vertex Pharmaceuticals Inc	12-Jan-23	
L-215-2019/0	Pastan, Ira H.		Vertex Pharmaceuticals Inc	12-Jan-23	
L-215-2019/0	Ueda, Kazumitsu		Vertex Pharmaceuticals Inc	12-Jan-23	

(b) (4), (b) (6)

(b) (3) (A), (b) (4), (b) (6)

L-155-2021/0	Gazdar, (b) (6) Adi	Sanofi-Aventis Recherche & Develop	12-Jan-23
L-155-2021/0	Johnson, Bruce E	Sanofi-Aventis Recherche & Develop	12-Jan-23
L-155-2021/0	Kaye, Frederic J	Sanofi-Aventis Recherche & Develop	12-Jan-23
L-155-2021/0	Khleif, Samir N.	Sanofi-Aventis Recherche & Develop	12-Jan-23
L-155-2021/0	Minna, John D.	Sanofi-Aventis Recherche & Develop	12-Jan-23
L-155-2021/0	Oie, (b) (6) Herbert K	Sanofi-Aventis Recherche & Develop	12-Jan-23
L-155-2021/0	Pass, Harvey I	Sanofi-Aventis Recherche & Develop	12-Jan-23
L-042-2022/0	Gazdar, (b) (6) Adi	mmuneOncia Therapeutics, Inc.	13-Jan-23
L-042-2022/0	Johnson, Bruce E	mmuneOncia Therapeutics, Inc.	13-Jan-23
L-042-2022/0	Kaye, Frederic J	mmuneOncia Therapeutics, Inc.	13-Jan-23
L-042-2022/0	Khleif, Samir N.	mmuneOncia Therapeutics, Inc.	13-Jan-23
L-042-2022/0	Minna, John D.	mmuneOncia Therapeutics, Inc.	13-Jan-23
L-042-2022/0	Oie, (b) (6) Herbert K	mmuneOncia Therapeutics, Inc.	13-Jan-23
L-042-2022/0	Pass, Harvey I	mmuneOncia Therapeutics, Inc.	13-Jan-23
L-126-2012/1	Austin, Faye C.	Leica Biosystems Newcastle Ltd	17-Jan-23
L-126-2012/1	Colcher, David	Leica Biosystems Newcastle Ltd	17-Jan-23
L-126-2012/1	Hand, Patricia H.	Leica Biosystems Newcastle Ltd	17-Jan-23
L-126-2012/1	Nuti, Marianna	Leica Biosystems Newcastle Ltd	17-Jan-23
L-126-2012/1	Schlom, Jeffrey	Leica Biosystems Newcastle Ltd	17-Jan-23
L-201-2017/0	Gazdar, (b) (6) Adi	Leica Biosystems Newcastle Ltd	17-Jan-23
L-201-2017/0	Johnson, Bruce E	Leica Biosystems Newcastle Ltd	17-Jan-23
L-201-2017/0	Kaye, Frederic J	Leica Biosystems Newcastle Ltd	17-Jan-23
L-201-2017/0	Khleif, Samir N.	Leica Biosystems Newcastle Ltd	17-Jan-23
L-201-2017/0	Minna, John D.	Leica Biosystems Newcastle Ltd	17-Jan-23
L-201-2017/0	Oie, (b) (6) Herbert K	Leica Biosystems Newcastle Ltd	17-Jan-23
L-201-2017/0	Pass, Harvey I	Leica Biosystems Newcastle Ltd	17-Jan-23
L-005-2023/0	Gazdar, (b) (6) Adi	Novocure (Israel) Ltd.	17-Jan-23
L-005-2023/0	Johnson, Bruce E	Novocure (Israel) Ltd.	17-Jan-23
L-005-2023/0	Kaye, Frederic J	Novocure (Israel) Ltd.	17-Jan-23
L-005-2023/0	Khleif, Samir N.	Novocure (Israel) Ltd.	17-Jan-23
L-005-2023/0	Minna, John D.	Novocure (Israel) Ltd.	17-Jan-23
L-005-2023/0	Oie, (b) (6) Herbert K	Novocure (Israel) Ltd.	17-Jan-23
L-005-2023/0	Pass, Harvey I	Novocure (Israel) Ltd.	17-Jan-23
L-107-2015/3	Altan-Bonnet, Gregoire	ovance Biotherapeutics. Inc.	18-Jan-23
L-107-2015/3	Copeland, Amy	ovance Biotherapeutics. Inc.	18-Jan-23
L-107-2015/3	Dudley, Mark	ovance Biotherapeutics. Inc.	18-Jan-23
L-107-2015/3	Eil, Robert Langland	ovance Biotherapeutics. Inc.	18-Jan-23
L-107-2015/3	Gros, Alena	ovance Biotherapeutics. Inc.	18-Jan-23
L-107-2015/3	Hanada, Kenichi	ovance Biotherapeutics. Inc.	18-Jan-23
L-107-2015/3	Hinrichs, Christian S.	ovance Biotherapeutics. Inc.	18-Jan-23
L-107-2015/3	Jin, Benjamin Yongzu	ovance Biotherapeutics. Inc.	18-Jan-23
L-107-2015/3	Kishton, Rigel Joseph	ovance Biotherapeutics. Inc.	18-Jan-23
L-107-2015/3	Krishna, Sri	ovance Biotherapeutics. Inc.	18-Jan-23
L-107-2015/3	Lowery, Frank	ovance Biotherapeutics. Inc.	18-Jan-23
L-107-2015/3	Morgan, Richard A.	ovance Biotherapeutics. Inc.	18-Jan-23
L-107-2015/3	Restifo, Nicholas P.	ovance Biotherapeutics. Inc.	18-Jan-23
L-107-2015/3	Robbins, Paul F	ovance Biotherapeutics. Inc.	18-Jan-23
L-107-2015/3	Somerville, Robert P.	ovance Biotherapeutics. Inc.	18-Jan-23
L-107-2015/3	Vodnala, Suman Kumar	ovance Biotherapeutics. Inc.	18-Jan-23
L-107-2015/3	Wunderlich, John	ovance Biotherapeutics. Inc.	18-Jan-23
L-107-2015/3	Yang, James Chung-Yin	ovance Biotherapeutics. Inc.	18-Jan-23

L-107-2015/3	Yoseph, Rami	(b) (4), (b) (6)	Iovance Biotherapeutics. Inc.	18-Jan-23	(b) (3) (A), (b) (4), (b) (6)
L-107-2015/3	Zhang, Ling		Iovance Biotherapeutics. Inc.	18-Jan-23	
Note: L-107-2015/3 split between CC; NCI					
L-284-2017/0	Bonomi, Carrie A.		Merck Sharp & Dohme Corp.	18-Jan-23	
L-284-2017/0	Borgel, Suzanne D.		Merck Sharp & Dohme Corp.	18-Jan-23	
L-284-2017/0	Dougherty, Kelly		Merck Sharp & Dohme Corp.	18-Jan-23	
L-284-2017/0	Hollingshead, Melinda G.		Merck Sharp & Dohme Corp.	18-Jan-23	
L-174-2018/0	Bonomi, Carrie A.		Scancell	18-Jan-23	
L-174-2018/0	Borgel, Suzanne D.		Scancell	18-Jan-23	
L-174-2018/0	Dougherty, Kelly		Scancell	18-Jan-23	
L-174-2018/0	Hollingshead, Melinda G.		Scancell	18-Jan-23	
L-160-2020/0	Bonomi, Carrie A.		Hanmi Pharmaceutical Co., Ltd	18-Jan-23	
L-160-2020/0	Borgel, Suzanne D.		Hanmi Pharmaceutical Co., Ltd	18-Jan-23	
L-160-2020/0	Dougherty, Kelly		Hanmi Pharmaceutical Co., Ltd	18-Jan-23	
L-160-2020/0	Hollingshead, Melinda G.		Hanmi Pharmaceutical Co., Ltd	18-Jan-23	
L-104-2021/0	Franchini, Genoveffa		The Discovery Labs	18-Jan-23	
L-104-2021/0	Gallo, Robert C.		The Discovery Labs	18-Jan-23	
L-104-2021/0	Kalyanaraman, Vaniambadi S.		The Discovery Labs	18-Jan-23	
L-104-2021/0	Markham, Phillip D.		The Discovery Labs	18-Jan-23	
L-104-2021/0	Salahuddin, Syed Z.		The Discovery Labs	18-Jan-23	
L-104-2021/0	Wong-Staal Family Tr, The		The Discovery Labs	18-Jan-23	
L-135-2022/0	Hanada, Kenichi		Iovance Biotherapeutics. Inc.	18-Jan-23	
L-135-2022/0	Yang, James Chung-Yin		Iovance Biotherapeutics. Inc.	18-Jan-23	
L-135-2022/0	Yu, Zhiya		Iovance Biotherapeutics. Inc.	18-Jan-23	
L-180-2021/0	Esposito, Dominic		Vertex Pharmaceuticals (Europe) Limited	19-Jan-23	
L-180-2021/0	Grose, Carissa L.		Vertex Pharmaceuticals (Europe) Limited	19-Jan-23	
L-014-2019/1	Bonomi, Carrie A.		ABL Bio Inc.	20-Jan-23	
L-014-2019/1	Borgel, Suzanne D.		ABL Bio Inc.	20-Jan-23	
L-014-2019/1	Dougherty, Kelly		ABL Bio Inc.	20-Jan-23	
L-014-2019/1	Hollingshead, Melinda G.		ABL Bio Inc.	20-Jan-23	
L-289-2019/0	Bonomi, Carrie A.		Alkermes	20-Jan-23	
L-289-2019/0	Dougherty, Kelly		Alkermes	20-Jan-23	
L-289-2019/0	Hollingshead, Melinda G.		Alkermes	20-Jan-23	
L-062-2021/0	Bonomi, Carrie A.		Kezar Life Sciences, Inc.	20-Jan-23	
L-062-2021/0	Borgel, Suzanne D.		Kezar Life Sciences, Inc.	20-Jan-23	
L-062-2021/0	Dougherty, Kelly		Kezar Life Sciences, Inc.	20-Jan-23	
L-062-2021/0	Hollingshead, Melinda G.		Kezar Life Sciences, Inc.	20-Jan-23	
L-116-2021/0	Bonomi, Carrie A.		Agenus, Inc.	20-Jan-23	
L-116-2021/0	Dougherty, Kelly		Agenus, Inc.	20-Jan-23	
L-116-2021/0	Hollingshead, Melinda G.		Agenus, Inc.	20-Jan-23	
L-217-2021/0	Bonomi, Carrie A.		Sotio Biotech	20-Jan-23	
L-217-2021/0	Dougherty, Kelly		Sotio Biotech	20-Jan-23	
L-217-2021/0	Hollingshead, Melinda G.		Sotio Biotech	20-Jan-23	
L-017-2022/0	Bonomi, Carrie A.		Obsidian Therapeutics	20-Jan-23	
L-017-2022/0	Borgel, Suzanne D.		Obsidian Therapeutics	20-Jan-23	

(b) (3) (A), (b) (4), (b) (6)

L-017-2022/0	Dougherty, Kelly	(b) (4), (b) (6)	Obsidian Therapeutics	20-Jan-23
L-017-2022/0	Hollingshead, Melinda G.		Obsidian Therapeutics	20-Jan-23
L-029-2022/0	Bonomi, Carrie A.		Dren Bio, Inc.	20-Jan-23
L-029-2022/0	Borgel, Suzanne D.		Dren Bio, Inc.	20-Jan-23
L-029-2022/0	Dougherty, Kelly		Dren Bio, Inc.	20-Jan-23
L-029-2022/0	Hollingshead, Melinda G.		Dren Bio, Inc.	20-Jan-23
L-045-2023/0	Gazdar, (b) (6) Adi		MBrace Therapeutics, Inc.	20-Jan-23
L-045-2023/0	Johnson, Bruce E		MBrace Therapeutics, Inc.	20-Jan-23
L-045-2023/0	Kaye, Frederic J		MBrace Therapeutics, Inc.	20-Jan-23
L-045-2023/0	Khleif, Samir N.		MBrace Therapeutics, Inc.	20-Jan-23
L-045-2023/0	Minna, John D.		MBrace Therapeutics, Inc.	20-Jan-23
L-045-2023/0	Oie, (b) (6) Herbert K		MBrace Therapeutics, Inc.	20-Jan-23
L-045-2023/0	Pass, Harvey I		MBrace Therapeutics, Inc.	20-Jan-23
L-119-2017/0	Esposito, Dominic		Boehringer Ingelheim International GmbH	23-Jan-23
L-119-2017/0	Gillette, William K.		Boehringer Ingelheim International GmbH	23-Jan-23
L-119-2017/0	Grose, Carissa L.		Boehringer Ingelheim International GmbH	23-Jan-23
L-119-2017/0	Stephens, Robert M.		Boehringer Ingelheim International GmbH	23-Jan-23
L-039-2018/0	Gazdar, (b) (6) Adi		Eurofins Cerep	24-Jan-23
L-039-2018/0	Johnson, Bruce E		Eurofins Cerep	24-Jan-23
L-039-2018/0	Kaye, Frederic J		Eurofins Cerep	24-Jan-23
L-039-2018/0	Khleif, Samir N.		Eurofins Cerep	24-Jan-23
L-039-2018/0	Minna, John D.		Eurofins Cerep	24-Jan-23
L-039-2018/0	Oie, (b) (6) Herbert K		Eurofins Cerep	24-Jan-23
L-039-2018/0	Pass, Harvey I		Eurofins Cerep	24-Jan-23
L-015-2023/0	Buck, Christopher		Zydus Lifesciences Limited	24-Jan-23
L-015-2023/0	(b) (4)		Zydus Lifesciences Limited	24-Jan-23
L-015-2023/0	Lowy, Douglas R.		Zydus Lifesciences Limited	24-Jan-23
L-015-2023/0	Pastrana, Diana V		Zydus Lifesciences Limited	24-Jan-23
L-015-2023/0	Roden, Richard B.		Zydus Lifesciences Limited	24-Jan-23
L-015-2023/0	Schiller, John T		Zydus Lifesciences Limited	24-Jan-23
L-317-2017/0	Ponraj, Prabakaran		Lentigen Technology Inc	25-Jan-23
L-317-2017/0	NCI		Lentigen Technology Inc	25-Jan-23
L-259-2020/1	Bonomi, Carrie A.	(b) (4), (b) (6)	STipe Therapeutics ApS	25-Jan-23
L-259-2020/1	Borgel, Suzanne D.		STipe Therapeutics ApS	25-Jan-23
L-259-2020/1	Dougherty, Kelly		STipe Therapeutics ApS	25-Jan-23
L-259-2020/1	Hollingshead, Melinda G.		STipe Therapeutics ApS	25-Jan-23
L-156-2021/0	NCI		Senti Biosciences, Inc.	25-Jan-23
L-064-2011/0	Barry, Todd	(b) (4), (b) (6)	Eptiomics Inc	26-Jan-23
L-064-2011/0	Rosenwald, Andreas		Eptiomics Inc	26-Jan-23
L-064-2011/0	Staudt, Louis M		Eptiomics Inc	26-Jan-23
L-064-2011/0	Wiestner, Adrian		Eptiomics Inc	26-Jan-23
L-064-2011/0	Wilson, Wyndham H.		Eptiomics Inc	26-Jan-23
L-075-2013/2	Franchini, Genoveffa		WuXi Advanced Therapies, Inc.	26-Jan-23
L-075-2013/2	Gallo, Robert C.		WuXi Advanced Therapies, Inc.	26-Jan-23
L-075-2013/2	Kalyanaraman, Vaniambadi S.		WuXi Advanced Therapies, Inc.	26-Jan-23
L-075-2013/2	Markham, Phillip D.		WuXi Advanced Therapies, Inc.	26-Jan-23

(b) (3) (A), (b) (4), (b) (6)

L-075-2013/2	Salahuddin, Syed Z.	(b) (4), (b) (6)	WuXi Advanced Therapies, Inc.	26-Jan-23
L-075-2013/2	Wong-Staal Family Tr, The		WuXi Advanced Therapies, Inc.	26-Jan-23
L-075-2016/1	Fry, Terry		Lentigen Technology, Inc.	26-Jan-23
L-075-2016/1	Qin, Haiying		Lentigen Technology, Inc.	26-Jan-23
L-095-2017/1	Bonomi, Carrie A.		Millennium Pharmaceuticals, Inc.	26-Jan-23
L-095-2017/1	Borgel, Suzanne D.		Millennium Pharmaceuticals, Inc.	26-Jan-23
L-095-2017/1	Dougherty, Kelly		Millennium Pharmaceuticals, Inc.	26-Jan-23
L-095-2017/1	Hollingshead, Melinda G.		Millennium Pharmaceuticals, Inc.	26-Jan-23
L-128-2018/1	Bonomi, Carrie A.		Xencor, Inc.	26-Jan-23
L-128-2018/1	Borgel, Suzanne D.		Xencor, Inc.	26-Jan-23
L-128-2018/1	Dougherty, Kelly		Xencor, Inc.	26-Jan-23
L-128-2018/1	Hollingshead, Melinda G.		Xencor, Inc.	26-Jan-23
L-136-2020/0	Dudley, Mark		Intima Bioscience Inc.	26-Jan-23
L-136-2020/0	Fitzgerald, Peter C.		Intima Bioscience Inc.	26-Jan-23
L-136-2020/0	Gros, Alena		Intima Bioscience Inc.	26-Jan-23
L-136-2020/0	Lu, Yong-Chen		Intima Bioscience Inc.	26-Jan-23
L-136-2020/0	Palmer, Douglas		Intima Bioscience Inc.	26-Jan-23
L-136-2020/0	Restifo, Nicholas P.		Intima Bioscience Inc.	26-Jan-23
L-136-2020/0	Robbins, Paul F		Intima Bioscience Inc.	26-Jan-23
L-136-2020/0	Tran, Eric		Intima Bioscience Inc.	26-Jan-23
L-136-2020/0	Wunderlich, John		Intima Bioscience Inc.	26-Jan-23
L-136-2020/0	Zheng, Zhili		Intima Bioscience Inc.	26-Jan-23
L-055-2021/0	Aloia, Amanda		Monogram Biosciences	26-Jan-23
L-055-2021/0	Rein, Alan		Monogram Biosciences	26-Jan-23
L-208-2022/0	Gazdar, (b) (6) Adi		Genentech, Inc.	26-Jan-23
L-208-2022/0	Johnson, Bruce E		Genentech, Inc.	26-Jan-23
L-208-2022/0	Kaye, Frederic J		Genentech, Inc.	26-Jan-23
L-208-2022/0	Khleif, Samir N.		Genentech, Inc.	26-Jan-23
L-208-2022/0	Minna, John D.		Genentech, Inc.	26-Jan-23
L-208-2022/0	Oie, (b) (6) Herbert K		Genentech, Inc.	26-Jan-23
L-208-2022/0	Pass, Harvey I		Genentech, Inc.	26-Jan-23
L-053-2011/0	Mason, Llewellyn H.		Miltenyi Biotec Gmbh	27-Jan-23
L-053-2011/0	Ortaldo, John R.		Miltenyi Biotec Gmbh	27-Jan-23
L-086-2011/0	Baskar, Sivasubramanian		Miltenyi Biotec GMBH	27-Jan-23
L-086-2011/0	Rader, Christoph		Miltenyi Biotec GMBH	27-Jan-23
L-026-2012/0	Mason, Llewellyn H.		Miltenyi Biotec GMBH	27-Jan-23
L-026-2012/0	Ortaldo, John R.		Miltenyi Biotec GMBH	27-Jan-23
L-153-2019/2	Beyer, Rachel K. B.		Novartis Institutes for BioMedical Resea	27-Jan-23
L-153-2019/2	(b) (4)		Novartis Institutes for BioMedical Resea	27-Jan-23
L-153-2019/2	Holderfield, Matthew T.		Novartis Institutes for BioMedical Resea	27-Jan-23
L-153-2019/2	Soppet, Dan		Novartis Institutes for BioMedical Resea	27-Jan-23
L-049-2021/0	Franchini, Genoveffa		Genezen Laboratories, Inc.	27-Jan-23
L-049-2021/0	Gallo, Robert C.		Genezen Laboratories, Inc.	27-Jan-23
L-049-2021/0	Kalyanaraman, Vaniambadi S.		Genezen Laboratories, Inc.	27-Jan-23
L-049-2021/0	Markham, Phillip D.		Genezen Laboratories, Inc.	27-Jan-23
L-049-2021/0	Salahuddin, Syed Z.		Genezen Laboratories, Inc.	27-Jan-23

L-049-2021/0	Wong-Staal Family Tr, The	(b) (4), (b) (6)	Genezen Laboratories, Inc.	27-Jan-23	(b) (3) (A), (b) (4), (b) (6)
L-072-2021/0	Bonomi, Carrie A.		Bristol Myers Squibb	27-Jan-23	
L-072-2021/0	Borgel, Suzanne D.		Bristol Myers Squibb	27-Jan-23	
L-072-2021/0	Dougherty, Kelly		Bristol Myers Squibb	27-Jan-23	
L-072-2021/0	Hollingshead, Melinda G.		Bristol Myers Squibb	27-Jan-23	
L-096-2022/0	Mackall, Crystal L		Syncopation Life Sciences, Inc.	27-Jan-23	
L-096-2022/0	Orentas, Rimas J.		Syncopation Life Sciences, Inc.	27-Jan-23	
L-096-2022/0	Pastan, Ira H.		Syncopation Life Sciences, Inc.	27-Jan-23	
L-096-2022/0	Shah, Nirali		Syncopation Life Sciences, Inc.	27-Jan-23	
L-096-2022/0	Xiao, Xiaodong		Syncopation Life Sciences, Inc.	27-Jan-23	
L-317-2002/2	Hathcock, Karen		Affymetrix, Inc.	30-Jan-23	
L-317-2002/2	Hodes, Richard J		Affymetrix, Inc.	30-Jan-23	
L-317-2002/2	Laszlo, Gloria		Affymetrix, Inc.	30-Jan-23	
L-097-2019/0	Bonomi, Carrie A.		Janssen Research & Development, LLC	30-Jan-23	
L-097-2019/0	Borgel, Suzanne D.		Janssen Research & Development, LLC	30-Jan-23	
L-097-2019/0	Dougherty, Kelly		Janssen Research & Development, LLC	30-Jan-23	
L-097-2019/0	Hollingshead, Melinda G.		Janssen Research & Development, LLC	30-Jan-23	
L-024-2021/0	Fry, Terry		Vor Biopharma, Inc.	30-Jan-23	
L-024-2021/0	Qin, Haiying		Vor Biopharma, Inc.	30-Jan-23	
L-146-2021/0	Bonomi, Carrie A.		Pharmacology Discovery Services Taiwan,	30-Jan-23	
L-146-2021/0	Borgel, Suzanne D.		Pharmacology Discovery Services Taiwan,	30-Jan-23	
L-146-2021/0	Dougherty, Kelly		Pharmacology Discovery Services Taiwan,	30-Jan-23	
L-146-2021/0	Hollingshead, Melinda G.		Pharmacology Discovery Services Taiwan,	30-Jan-23	
L-215-2021/0	Gazdar, (b) (6) Adi		Aragen Life Sciences Private Limited	30-Jan-23	
L-215-2021/0	Johnson, Bruce E		Aragen Life Sciences Private Limited	30-Jan-23	
L-215-2021/0	Kaye, Frederic J		Aragen Life Sciences Private Limited	30-Jan-23	
L-215-2021/0	Khleif, Samir N.		Aragen Life Sciences Private Limited	30-Jan-23	
L-215-2021/0	Minna, John D.		Aragen Life Sciences Private Limited	30-Jan-23	
L-215-2021/0	Oie, (b) (6) Herbert K		Aragen Life Sciences Private Limited	30-Jan-23	
L-215-2021/0	Pass, Harvey I		Aragen Life Sciences Private Limited	30-Jan-23	
L-111-2022/0	Lee, Sang J.		Novartis Pharma AG	30-Jan-23	
Note: L-111-2022/0 split between NCI; NIDDK					
L-154-2018/0	Caplen, Natasha		ERYtech Pharma	31-Jan-23	
L-154-2018/0	Lorenzi, Philipp		ERYtech Pharma	31-Jan-23	
L-154-2018/0	Weinstein, John N.		ERYtech Pharma	31-Jan-23	
L-238-2018/0	Bonomi, Carrie A.		Vividion Therapeutics, Inc.	31-Jan-23	
L-238-2018/0	Borgel, Suzanne D.		Vividion Therapeutics, Inc.	31-Jan-23	
L-238-2018/0	Dougherty, Kelly		Vividion Therapeutics, Inc.	31-Jan-23	
L-238-2018/0	Hollingshead, Melinda G.		Vividion Therapeutics, Inc.	31-Jan-23	

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total February Income	License Cumulative Income	Inventor Awards February	Net Remaining to IC
L-130-1994/2	King, Charles R.	(b) (4),	Santa Cruz Biotechnology	1-Feb-23						(b) (3) (A), (b) (4), (b) (6)
L-130-1994/2	Liotta, Lance	(b) (6)	Santa Cruz Biotechnology	1-Feb-23						
L-130-1994/2	Steeg, Patricia S.		Santa Cruz Biotechnology	1-Feb-23						
L-197-1994/3	Cheng, Sheue-Yann		Santa Cruz Biotechnology, Inc.	1-Feb-23						
L-210-1994/1	Fornace, Albert J.		Santa Cruz Biotechnology, Inc.	1-Feb-23						
L-138-2005/3	Chang, Kai		Santa Cruz Biotechnology Inc	1-Feb-23						
L-138-2005/3	Pastan, Ira H.		Santa Cruz Biotechnology Inc	1-Feb-23						
L-138-2005/3	Willingham, Mark C.		Santa Cruz Biotechnology Inc	1-Feb-23						
L-113-2006/1	Kawakami, Yutaka		Santa Cruz Biotechnology Inc	1-Feb-23						
L-031-2007/2	Aaronson, Stuart A.		Santa Cruz Biotechnology	1-Feb-23						
L-031-2007/2	Lacal, Juan C.		Santa Cruz Biotechnology	1-Feb-23						
L-113-2007/1	Aaronson, Stuart A.		Ventana Medical Systems	1-Feb-23						
L-113-2007/1	King, Charles R.		Ventana Medical Systems	1-Feb-23						
L-113-2007/1	Kraus, (b) (6) Matthias		Ventana Medical Systems	1-Feb-23						
L-108-2009/0	Conrads, Thomas P		AB Sciex, LLC	1-Feb-23						
L-108-2009/0	Issaq, Haleem J.		AB Sciex, LLC	1-Feb-23						
L-108-2009/0	Janini, George		AB Sciex, LLC	1-Feb-23						
L-108-2009/0	Veenstra, Timothy D		AB Sciex, LLC	1-Feb-23						
L-108-2009/0	Wilkens, Kenneth L.		AB Sciex, LLC	1-Feb-23						
L-220-2020/0	Bonomi, Carrie A.		Sonata Therapeutics, Inc	1-Feb-23						
L-220-2020/0	Borgel, Suzanne D.		Sonata Therapeutics, Inc	1-Feb-23						
L-220-2020/0	Dougherty, Kelly		Sonata Therapeutics, Inc	1-Feb-23						
L-220-2020/0	Hollingshead, Melinda G.		Sonata Therapeutics, Inc	1-Feb-23						
L-011-2021/0	Bonomi, Carrie A.		Pharma Mar, S.A.	1-Feb-23						
L-011-2021/0	Dougherty, Kelly		Pharma Mar, S.A.	1-Feb-23						
L-011-2021/0	Hollingshead, Melinda G.		Pharma Mar, S.A.	1-Feb-23						
L-210-2021/0	Aplan, Peter D.		Agios Pharmaceuticals, Inc	1-Feb-23						
L-210-2021/0	Lin, Ying-Wei		Agios Pharmaceuticals, Inc	1-Feb-23						
L-210-2021/0	Slape, Christopher I.		Agios Pharmaceuticals, Inc	1-Feb-23						
L-210-2021/0	Zhang, ZhenHua		Agios Pharmaceuticals, Inc	1-Feb-23						
L-003-2023/0	Hanada, Kenichi		Gilboa Therapeutics Ltd.	1-Feb-23						
L-003-2023/0	Yang, James Chung-Yin		Gilboa Therapeutics Ltd.	1-Feb-23						
L-003-2023/0	Yu, Zhiya		Gilboa Therapeutics Ltd.	1-Feb-23						
L-024-2023/0	Gazdar, (b) (6) Adi		Evotec (France) SAS	1-Feb-23						
L-024-2023/0	Johnson, Bruce E		Evotec (France) SAS	1-Feb-23						
L-024-2023/0	Kaye, Frederic J		Evotec (France) SAS	1-Feb-23						
L-024-2023/0	Khleif, Samir N.		Evotec (France) SAS	1-Feb-23						
L-024-2023/0	Minna, John D.		Evotec (France) SAS	1-Feb-23						
L-024-2023/0	Oie, (b) (6) Herbert K		Evotec (France) SAS	1-Feb-23						
L-024-2023/0	Pass, Harvey I		Evotec (France) SAS	1-Feb-23						
L-126-2012/1	Austin, Faye C.		Leica Biosystems Newcastle Ltd	2-Feb-23						

(b) (3) (A), (b) (4), (b) (6)

L-126-2012/1	Colcher, David	(b) (4), (b) (6)	Leica Biosystems Newcastle Ltd	2-Feb-23
L-126-2012/1	Hand, Patricia H.		Leica Biosystems Newcastle Ltd	2-Feb-23
L-126-2012/1	Nuti, Marianna		Leica Biosystems Newcastle Ltd	2-Feb-23
L-126-2012/1	Schlom, Jeffrey		Leica Biosystems Newcastle Ltd	2-Feb-23
L-038-2019/0	Bonomi, Carrie A.		Boehringer Ingelheim International GmbH	6-Feb-23
L-038-2019/0	Borgel, Suzanne D.		Boehringer Ingelheim International GmbH	6-Feb-23
L-038-2019/0	Dougherty, Kelly		Boehringer Ingelheim International GmbH	6-Feb-23
L-038-2019/0	Hollingshead, Melinda G.		Boehringer Ingelheim International GmbH	6-Feb-23
L-240-2019/0	Bonomi, Carrie A.		Boehringer Ingelheim RCV GmbH & Co KG	6-Feb-23
L-240-2019/0	Dougherty, Kelly		Boehringer Ingelheim RCV GmbH & Co KG	6-Feb-23
L-240-2019/0	Hollingshead, Melinda G.		Boehringer Ingelheim RCV GmbH & Co KG	6-Feb-23
L-267-2020/0	Gazdar, (b) (6) Adi		Boehringer Ingelheim RCV GmbH & Co KG	6-Feb-23
L-267-2020/0	Johnson, Bruce E		Boehringer Ingelheim RCV GmbH & Co KG	6-Feb-23
L-267-2020/0	Kaye, Frederic J		Boehringer Ingelheim RCV GmbH & Co KG	6-Feb-23
L-267-2020/0	Khleif, Samir N.		Boehringer Ingelheim RCV GmbH & Co KG	6-Feb-23
L-267-2020/0	Minna, John D.		Boehringer Ingelheim RCV GmbH & Co KG	6-Feb-23
L-267-2020/0	Oie, (b) (6) Herbert K		Boehringer Ingelheim RCV GmbH & Co KG	6-Feb-23
L-267-2020/0	Pass, Harvey I		Boehringer Ingelheim RCV GmbH & Co KG	6-Feb-23
L-239-2021/0	Bonomi, Carrie A.		Idorsia Pharmaceuticals Ltd	6-Feb-23
L-239-2021/0	Borgel, Suzanne D.		Idorsia Pharmaceuticals Ltd	6-Feb-23
L-239-2021/0	Dougherty, Kelly		Idorsia Pharmaceuticals Ltd	6-Feb-23
L-239-2021/0	Hollingshead, Melinda G.		Idorsia Pharmaceuticals Ltd	6-Feb-23
L-076-2010/1	(b) (4)		Scancell Ltd	7-Feb-23
L-076-2010/1	Hwu, Patrick		Scancell Ltd	7-Feb-23
L-076-2010/1	Kawakami, Yutaka		Scancell Ltd	7-Feb-23
L-076-2010/1	Lapointe, Rejean		Scancell Ltd	7-Feb-23
L-076-2010/1	Parkhurst, Maria		Scancell Ltd	7-Feb-23
L-076-2010/1	(b) (4)		Scancell Ltd	7-Feb-23
L-076-2010/1	Wang, Rong-fu		Scancell Ltd	7-Feb-23
L-099-2020/1	NCI		Kite Pharma	7-Feb-23
L-090-1998/1	Allegra, Carmen	(b) (4), (b) (6)	NeoMarkers, Inc.	8-Feb-23
L-090-1998/1	Chabner, Bruce A		NeoMarkers, Inc.	8-Feb-23
L-090-1998/1	(b) (4)		NeoMarkers, Inc.	8-Feb-23
L-090-1998/1	Johnston, (b) (6) Patrick G.		NeoMarkers, Inc.	8-Feb-23
L-090-1998/1	Kawakami, Yutaka		NeoMarkers, Inc.	8-Feb-23
L-090-1998/1	Liang, Chi-Ming		NeoMarkers, Inc.	8-Feb-23
L-090-1998/1	Schlom, Jeffrey		NeoMarkers, Inc.	8-Feb-23
L-090-1998/1	(b) (4)		NeoMarkers, Inc.	8-Feb-23
L-133-2019/1	Aaronson, Stuart A.		DNAtrix, Inc.	9-Feb-23
L-133-2019/1	(b) (6) Donald J. Giard		DNAtrix, Inc.	9-Feb-23
L-133-2019/1	Parks, Wade P.		DNAtrix, Inc.	9-Feb-23
L-111-2021/0	Hamilton, Thomas C		Engine Biosciences, Inc.	9-Feb-23
L-111-2021/0	Ozols, Robert F		Engine Biosciences, Inc.	9-Feb-23
L-007-2023/0	Gazdar, (b) (6) Adi		AbbVie, Inc.	9-Feb-23
L-007-2023/0	Johnson, Bruce E		AbbVie, Inc.	9-Feb-23
L-007-2023/0	Kaye, Frederic J		AbbVie, Inc.	9-Feb-23
L-007-2023/0	Khleif, Samir N.		AbbVie, Inc.	9-Feb-23

(b) (4), (b) (6)

(b) (3) (A), (b) (4), (b) (6)

L-007-2023/0	Minna, John D.	AbbVie, Inc.	9-Feb-23
L-007-2023/0	Oie, (b) (6) Herbert K	AbbVie, Inc.	9-Feb-23
L-007-2023/0	Pass, Harvey I	AbbVie, Inc.	9-Feb-23
L-036-2023/0	Jelinek, Ivett	EMD Millipore Corporation	9-Feb-23
L-036-2023/0	Segal, David M.	EMD Millipore Corporation	9-Feb-23
L-036-2023/0	Wang, Yan	EMD Millipore Corporation	9-Feb-23
L-039-2011/0	Onda, Masanori	Rockland Immunochemicals, Inc.	10-Feb-23
L-039-2011/0	Pastan, Ira H.	Rockland Immunochemicals, Inc.	10-Feb-23
L-042-2021/0	Copeland, Neal	Solid Biosciences Inc.	10-Feb-23
L-042-2021/0	Costantino, Nina	Solid Biosciences Inc.	10-Feb-23
L-042-2021/0	Court, Donald	Solid Biosciences Inc.	10-Feb-23
L-042-2021/0	Jenkins Copeland, Nancy A	Solid Biosciences Inc.	10-Feb-23
L-042-2021/0	Warming, Soren	Solid Biosciences Inc.	10-Feb-23
L-172-2021/0	Hamilton, Thomas C	Genentech, Inc.	10-Feb-23
L-172-2021/0	Ozols, Robert F	Genentech, Inc.	10-Feb-23
L-063-2023/0	Gazdar, (b) (6) Adi	Ideaya Biosciences, Inc	10-Feb-23
L-063-2023/0	Johnson, Bruce E	Ideaya Biosciences, Inc	10-Feb-23
L-063-2023/0	Kaye, Frederic J	Ideaya Biosciences, Inc	10-Feb-23
L-063-2023/0	Khleif, Samir N.	Ideaya Biosciences, Inc	10-Feb-23
L-063-2023/0	Minna, John D.	Ideaya Biosciences, Inc	10-Feb-23
L-063-2023/0	Oie, (b) (6) Herbert K	Ideaya Biosciences, Inc	10-Feb-23
L-063-2023/0	Pass, Harvey I	Ideaya Biosciences, Inc	10-Feb-23
L-094-2023/0	Bonomi, Carrie A.	Radiant Biotherapeutics, Inc.	10-Feb-23
L-094-2023/0	Borgel, Suzanne D.	Radiant Biotherapeutics, Inc.	10-Feb-23
L-094-2023/0	Dougherty, Kelly	Radiant Biotherapeutics, Inc.	10-Feb-23
L-094-2023/0	Hollingshead, Melinda G.	Radiant Biotherapeutics, Inc.	10-Feb-23
L-094-2023/0	Bonomi, Carrie A.	Radiant Biotherapeutics, Inc.	10-Feb-23
L-094-2023/0	Borgel, Suzanne D.	Radiant Biotherapeutics, Inc.	10-Feb-23
L-094-2023/0	Dougherty, Kelly	Radiant Biotherapeutics, Inc.	10-Feb-23
L-094-2023/0	Hollingshead, Melinda G.	Radiant Biotherapeutics, Inc.	10-Feb-23
L-108-2009/0	Conrads, Thomas P	AB Sciex, LLC	13-Feb-23
L-108-2009/0	Issaq, Haleem J.	AB Sciex, LLC	13-Feb-23
L-108-2009/0	Janini, George	AB Sciex, LLC	13-Feb-23
L-108-2009/0	Veenstra, Timothy D	AB Sciex, LLC	13-Feb-23
L-108-2009/0	Wilkens, Kenneth L.	AB Sciex, LLC	13-Feb-23
L-277-2017/0	Aaronson, Stuart A.	Valo Therapeutics Oy	13-Feb-23
L-277-2017/0	(b) (6) Donald J. Giard	Valo Therapeutics Oy	13-Feb-23
L-277-2017/0	Parks, Wade P.	Valo Therapeutics Oy	13-Feb-23
L-028-2018/1	Choyke, Peter L	Scanmed LLC	13-Feb-23
L-028-2018/1	Gaur, Sonia Sonalee	Scanmed LLC	13-Feb-23
L-028-2018/1	Greer, Matthew D.	Scanmed LLC	13-Feb-23
L-028-2018/1	Mertan, Francesca	Scanmed LLC	13-Feb-23
L-028-2018/1	Turkbey, Ismail B.	Scanmed LLC	13-Feb-23
Note: L-028-2018/1 split between CC; CIT; NCI			
L-187-2021/0	Bonomi, Carrie A.	Janssen Research & Development, LLC	13-Feb-23
L-187-2021/0	Dougherty, Kelly	Janssen Research & Development, LLC	13-Feb-23

(b) (3) (A), (b) (4), (b) (6)

L-187-2021/0	Hollingshead, Melinda G.	(b) (4), (b) (6)	Janssen Research & Development, LLC	13-Feb-23
L-169-2022/0	Bonomi, Carrie A.		Valo Therapeutics Oy	13-Feb-23
L-169-2022/0	Borgel, Suzanne D.		Valo Therapeutics Oy	13-Feb-23
L-169-2022/0	Dougherty, Kelly		Valo Therapeutics Oy	13-Feb-23
L-169-2022/0	Hollingshead, Melinda G.		Valo Therapeutics Oy	13-Feb-23
L-271-2001/8	NCI		Millennium Pharmaceuticals, Inc.	14-Feb-23
L-026-2020/0	Bonomi, Carrie A.	(b) (4), (b) (6)	Imanis Life Sciences, LLC	14-Feb-23
L-026-2020/0	Borgel, Suzanne D.		Imanis Life Sciences, LLC	14-Feb-23
L-026-2020/0	Dougherty, Kelly		Imanis Life Sciences, LLC	14-Feb-23
L-026-2020/0	Hollingshead, Melinda G.		Imanis Life Sciences, LLC	14-Feb-23
L-100-2021/0	Bonomi, Carrie A.		Cellarity, Inc	14-Feb-23
L-100-2021/0	Borgel, Suzanne D.		Cellarity, Inc	14-Feb-23
L-100-2021/0	Dougherty, Kelly		Cellarity, Inc	14-Feb-23
L-100-2021/0	Hollingshead, Melinda G.		Cellarity, Inc	14-Feb-23
L-247-2021/0	Copeland, Neal		Gilead Sciences, Inc.	14-Feb-23
L-247-2021/0	Costantino, Nina		Gilead Sciences, Inc.	14-Feb-23
L-247-2021/0	Court, Donald		Gilead Sciences, Inc.	14-Feb-23
L-247-2021/0	Jenkins Copeland, Nancy A		Gilead Sciences, Inc.	14-Feb-23
L-247-2021/0	Warming, Soren		Gilead Sciences, Inc.	14-Feb-23
L-231-2015/0	NCI		Cartesian Therapeutics, Inc	15-Feb-23
L-048-2020/0	Esposito, Dominic	(b) (4), (b) (6)	Arvinas Operations, Inc	15-Feb-23
L-048-2020/0	Gillette, William K.		Arvinas Operations, Inc	15-Feb-23
L-048-2020/0	Grose, Carissa L.		Arvinas Operations, Inc	15-Feb-23
L-069-2020/0	(b) (4)		Arvinas Operations, Inc.	15-Feb-23
L-069-2020/0	Esposito, Dominic		Arvinas Operations, Inc.	15-Feb-23
L-069-2020/0	Hopkins, Ralph F.		Arvinas Operations, Inc.	15-Feb-23
L-069-2020/0	Roberts, Veronica Ann		Arvinas Operations, Inc.	15-Feb-23
L-107-2015/3	Altan-Bonnet, Gregoire		Iovance Biotherapeutics. Inc.	16-Feb-23
L-107-2015/3	Copeland, Amy		Iovance Biotherapeutics. Inc.	16-Feb-23
L-107-2015/3	Dudley, Mark		Iovance Biotherapeutics. Inc.	16-Feb-23
L-107-2015/3	Eil, Robert Langland		Iovance Biotherapeutics. Inc.	16-Feb-23
L-107-2015/3	Gros, Alena		Iovance Biotherapeutics. Inc.	16-Feb-23
L-107-2015/3	Hanada, Kenichi		Iovance Biotherapeutics. Inc.	16-Feb-23
L-107-2015/3	Hinrichs, Christian S.		Iovance Biotherapeutics. Inc.	16-Feb-23
L-107-2015/3	Jin, Benjamin Yongzu		Iovance Biotherapeutics. Inc.	16-Feb-23
L-107-2015/3	Kishton, Rigel Joseph		Iovance Biotherapeutics. Inc.	16-Feb-23
L-107-2015/3	Krishna, Sri		Iovance Biotherapeutics. Inc.	16-Feb-23
L-107-2015/3	Lowery, Frank		Iovance Biotherapeutics. Inc.	16-Feb-23
L-107-2015/3	Morgan, Richard A.		Iovance Biotherapeutics. Inc.	16-Feb-23
L-107-2015/3	Restifo, Nicholas P.		Iovance Biotherapeutics. Inc.	16-Feb-23
L-107-2015/3	Robbins, Paul F		Iovance Biotherapeutics. Inc.	16-Feb-23
L-107-2015/3	Somerville, Robert P.		Iovance Biotherapeutics. Inc.	16-Feb-23
L-107-2015/3	Vodnala, Suman Kumar		Iovance Biotherapeutics. Inc.	16-Feb-23
L-107-2015/3	Wunderlich, John		Iovance Biotherapeutics. Inc.	16-Feb-23
L-107-2015/3	Yang, James Chung-Yin		Iovance Biotherapeutics. Inc.	16-Feb-23
L-107-2015/3	Yoseph, Rami		Iovance Biotherapeutics. Inc.	16-Feb-23
L-107-2015/3	Zhang, Ling		Iovance Biotherapeutics. Inc.	16-Feb-23

Note: L-107-2015/3 split between CC; NCI

(b) (3) (A), (b) (4), (b) (6)

L-031-2023/0	Buck, Christopher	(b) (4), (b) (6)	Incepta Vaccine Ltd.	16-Feb-23
L-031-2023/0	(b) (4)		Incepta Vaccine Ltd.	16-Feb-23
L-031-2023/0	Lowy, Douglas R.		Incepta Vaccine Ltd.	16-Feb-23
L-031-2023/0	Pastrana, Diana V		Incepta Vaccine Ltd.	16-Feb-23
L-031-2023/0	Roden, Richard B.		Incepta Vaccine Ltd.	16-Feb-23
L-031-2023/0	Schiller, John T		Incepta Vaccine Ltd.	16-Feb-23
L-015-1984/8	Chang, Nancy T.		Abbott Laboratories	17-Feb-23
L-015-1984/8	Crowl, Robert		Abbott Laboratories	17-Feb-23
L-015-1984/8	Fisher, Amanda G.		Abbott Laboratories	17-Feb-23
L-015-1984/8	Gallo, Robert C.		Abbott Laboratories	17-Feb-23
L-015-1984/8	Hahn, Beatrice		Abbott Laboratories	17-Feb-23
L-015-1984/8	(b) (4)		Abbott Laboratories	17-Feb-23
L-015-1984/8	Popovic, Mikulas		Abbott Laboratories	17-Feb-23
L-015-1984/8	Reddy, E. Premkumar.		Abbott Laboratories	17-Feb-23
L-015-1984/8	Sarngadharan, Mangalasseril		Abbott Laboratories	17-Feb-23
L-015-1984/8	Shaw, George M		Abbott Laboratories	17-Feb-23
L-015-1984/8	Wong-Staal (b) (6)		Abbott Laboratories	17-Feb-23
L-319-2014/2	Gottesman, Michael M.		WuXi AppTec (Shanghai) Co., Ltd.	17-Feb-23
L-319-2014/2	Pastan, Ira H.		WuXi AppTec (Shanghai) Co., Ltd.	17-Feb-23
L-319-2014/2	Ueda, Kazumitsu		WuXi AppTec (Shanghai) Co., Ltd.	17-Feb-23
L-094-2020/1	NCI		Innovative Cellular Therapeutics	17-Feb-23
L-206-2022/0	Gazdar, (b) (6) Adi	(b) (4), (b) (6)	WuXi Biologics Ireland Limited	17-Feb-23
L-206-2022/0	Johnson, Bruce E		WuXi Biologics Ireland Limited	17-Feb-23
L-206-2022/0	Kaye, Frederic J		WuXi Biologics Ireland Limited	17-Feb-23
L-206-2022/0	Khleif, Samir N.		WuXi Biologics Ireland Limited	17-Feb-23
L-206-2022/0	Minna, John D.		WuXi Biologics Ireland Limited	17-Feb-23
L-206-2022/0	Oie, (b) (6) Herbert K		WuXi Biologics Ireland Limited	17-Feb-23
L-206-2022/0	Pass, Harvey I		WuXi Biologics Ireland Limited	17-Feb-23
L-006-2023/0	Costantino, Nina		Arrakis Therapeutics, Inc.	17-Feb-23
L-006-2023/0	Court, Donald		Arrakis Therapeutics, Inc.	17-Feb-23
L-017-1989/0	Aaronson, Stuart A.		Bayer AG	21-Feb-23
L-017-1989/0	King, Charles R.		Bayer AG	21-Feb-23
L-017-1989/0	Kraus, (b) (6) Matthias		Bayer AG	21-Feb-23
L-041-1998/2	Alimandi, Maurizio		Millipore Sigma	21-Feb-23
L-041-1998/2	Pierce, Jacalyn H.		Millipore Sigma	21-Feb-23
L-041-1998/2	Wang, Ling-Mei		Millipore Sigma	21-Feb-23
L-049-2001/3	Bustin, Michael		Millipore Sigma	21-Feb-23
L-092-2011/1	Giardina, Steven		Millipore Sigma	21-Feb-23
L-092-2011/1	Longo, Dan L		Millipore Sigma	21-Feb-23
L-092-2011/1	Varesio, Luigi		Millipore Sigma	21-Feb-23
L-111-2013/0	Muchmore, Brian P.		Millipore Sigma	21-Feb-23
L-111-2013/0	O'Brien, Thomas R		Millipore Sigma	21-Feb-23
L-111-2013/0	Porter-Gill, Patricia A.		Millipore Sigma	21-Feb-23
L-111-2013/0	Prokunina-Olsson, Ludmila		Millipore Sigma	21-Feb-23

Note: L-111-2013/0 split between FDA; NCI

		(b) (4), (b) (6)			(b) (3) (A), (b) (4), (b) (6)
L-152-2013/0	Doroshow, James H.		Millipore Sigma	21-Feb-23	
L-152-2013/0	Jiang, Guojian		Millipore Sigma	21-Feb-23	
L-152-2013/0	Roy, Krishnendu K.		Millipore Sigma	21-Feb-23	
L-152-2013/0	Wu, Yongzhong		Millipore Sigma	21-Feb-23	
L-097-2015/0	Rubin, Jeffrey S		Millipore Sigma	21-Feb-23	
L-097-2015/0	Uren, Aykut		Millipore Sigma	21-Feb-23	
L-057-2016/1	Hollingshead, Melinda G.		Millipore Sigma	21-Feb-23	
L-057-2016/1	Sausville, Edward		Millipore Sigma	21-Feb-23	
L-057-2016/1	Snader, Kenneth M		Millipore Sigma	21-Feb-23	
L-057-2016/1	Vishnuvajjala, B. Rao		Millipore Sigma	21-Feb-23	
L-280-2017/0	Ise, Tomoko		Millipore Sigma	21-Feb-23	
L-280-2017/0	Nagata, Satoshi		Millipore Sigma	21-Feb-23	
L-280-2017/0	Pastan, Ira H.		Millipore Sigma	21-Feb-23	
L-280-2017/0	Xiang, Laiman		Millipore Sigma	21-Feb-23	
L-318-2017/0	Onda, Masanori		Millipore Sigma	21-Feb-23	
L-318-2017/0	Pastan, Ira H.		Millipore Sigma	21-Feb-23	
L-019-2018/0	Spiese, Paul J		Millipore Sigma	21-Feb-23	
L-019-2018/0	Yang, James Chung-Yin		Millipore Sigma	21-Feb-23	
L-031-2018/0	Abrams, Scott I		Millipore Sigma	21-Feb-23	
L-031-2018/0	Schlom, Jeffrey		Millipore Sigma	21-Feb-23	
L-012-2019/0	Buck, Christopher		EMD Millipore Corporation	21-Feb-23	
L-104-2020/1	NCI		T-Cure Bioscience, Inc.	22-Feb-23	
L-052-2021/0	Hinrichs, Christian S.	(b) (4), (b) (6)	T-Cure Bioscience, Inc.	22-Feb-23	
L-109-2022/0	Gottesman, Michael M.		Sai Life Sciences Limited	22-Feb-23	
L-109-2022/0	Pastan, Ira H.		Sai Life Sciences Limited	22-Feb-23	
L-109-2022/0	Ueda, Kazumitsu		Sai Life Sciences Limited	22-Feb-23	
L-066-2009/0	Chang, Nancy T.		Becton Dickinson	23-Feb-23	
L-066-2009/0	Fisher, Amanda G.		Becton Dickinson	23-Feb-23	
L-066-2009/0	Franchini, Genoveffa		Becton Dickinson	23-Feb-23	
L-066-2009/0	Gallo, Robert C.		Becton Dickinson	23-Feb-23	
L-066-2009/0	Gartner, Suzanne		Becton Dickinson	23-Feb-23	
L-066-2009/0	Hahn, Beatrice		Becton Dickinson	23-Feb-23	
L-066-2009/0	(b) (4)		Becton Dickinson	23-Feb-23	
L-066-2009/0	Lori, Franco C.		Becton Dickinson	23-Feb-23	
L-066-2009/0	Markham, Phillip D.		Becton Dickinson	23-Feb-23	
L-066-2009/0	Popovic, Mikulas		Becton Dickinson	23-Feb-23	
L-066-2009/0	Reitz, Jr., Marvin S.		Becton Dickinson	23-Feb-23	
L-066-2009/0	Sarngadharan, Mangalasseril		Becton Dickinson	23-Feb-23	
L-066-2009/0	Shaw, George M		Becton Dickinson	23-Feb-23	
L-066-2009/0	Wong-Staal (b) (6)		Becton Dickinson	23-Feb-23	
L-093-2010/1	Chang, Nancy T.		BioLytical Labs	23-Feb-23	
L-093-2010/1	Crowl, Robert		BioLytical Labs	23-Feb-23	
L-093-2010/1	Gallo, Robert C.		BioLytical Labs	23-Feb-23	
L-093-2010/1	(b) (4)		BioLytical Labs	23-Feb-23	
L-093-2010/1	Reddy, E. Premkumar.		BioLytical Labs	23-Feb-23	

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total March Income	License Cumulative Income	Inventor Awards March	Net Remaining to IC
L-093-2010/1	Shaw, George M	(b) (4), (b) (6)	BioLytical Labs	23-Feb-23	(b) (3) (A), (b) (4), (b) (6)					
L-093-2010/1	Wong-Staal (b) (6)		BioLytical Labs	23-Feb-23						
L-104-2020/1	Hinrichs, Christian S.		T-Cure Bioscience, Inc.	23-Feb-23						
L-104-2020/1	Stevanovic, Sanja		T-Cure Bioscience, Inc.	23-Feb-23						
L-222-2020/1	Chien, Christopher		Senti Biosciences, Inc.	23-Feb-23						
L-222-2020/1	Fry, Terry		Senti Biosciences, Inc.	23-Feb-23						
L-097-2021/0	Gao, Wei		Senti Biosciences, Inc.	23-Feb-23						
L-097-2021/0	Ho, Mitchell		Senti Biosciences, Inc.	23-Feb-23						
L-097-2021/0	Phung, Yen T.		Senti Biosciences, Inc.	23-Feb-23						
L-097-2021/0	Zhang, Yifan		Senti Biosciences, Inc.	23-Feb-23						
L-156-2021/0	Fry, Terry		Senti Biosciences, Inc.	23-Feb-23						
L-156-2021/0	Qin, Haiying		Senti Biosciences, Inc.	23-Feb-23						
L-202-2022/0	Fleming, Bryan		Bio X Cell, LLC	23-Feb-23						
L-202-2022/0	Ho, Mitchell		Bio X Cell, LLC	23-Feb-23						
L-202-2022/0	Li, Nan		Bio X Cell, LLC	23-Feb-23						
L-203-2022/0	Feng, Mingqian		Bio X Cell, LLC	23-Feb-23						
L-203-2022/0	Gao, Wei		Bio X Cell, LLC	23-Feb-23						
L-203-2022/0	Ho, Mitchell		Bio X Cell, LLC	23-Feb-23						
L-203-2022/0	Kim, Heungnam		Bio X Cell, LLC	23-Feb-23						
L-039-2023/0	Balagopalan, Lakshmi		Preverna, Inc.	23-Feb-23						
L-039-2023/0	McIntire, Katherine		Preverna, Inc.	23-Feb-23						
L-039-2023/0	Samelson, Lawrence		Preverna, Inc.	23-Feb-23						
L-039-2023/0	Yi, Chang K.		Preverna, Inc.	23-Feb-23						
L-081-2022/0	Bonomi, Carrie A.		GI Innovation, Inc.	24-Feb-23						
L-081-2022/0	Dougherty, Kelly		GI Innovation, Inc.	24-Feb-23						
L-081-2022/0	Hollingshead, Melinda G.		GI Innovation, Inc.	24-Feb-23						
L-130-2023/0	Bonomi, Carrie A.		GPCR Therapeutics USA, Inc.	27-Feb-23						
L-130-2023/0	Borgel, Suzanne D.		GPCR Therapeutics USA, Inc.	27-Feb-23						
L-130-2023/0	Dougherty, Kelly		GPCR Therapeutics USA, Inc.	27-Feb-23						
L-130-2023/0	Hollingshead, Melinda G.		GPCR Therapeutics USA, Inc.	27-Feb-23						
L-160-2010/1	Jelinek, Ivett		Bio-Rad AbD Serotec Limited	28-Feb-23						
L-160-2010/1	Segal, David M.		Bio-Rad AbD Serotec Limited	28-Feb-23						
L-160-2010/1	Wang, Yan		Bio-Rad AbD Serotec Limited	28-Feb-23						
L-130-2023/0	Bonomi, Carrie A.		GPCR Therapeutics USA, Inc.	28-Feb-23						
L-130-2023/0	Borgel, Suzanne D.		GPCR Therapeutics USA, Inc.	28-Feb-23						
L-130-2023/0	Dougherty, Kelly		GPCR Therapeutics USA, Inc.	28-Feb-23						
L-130-2023/0	Hollingshead, Melinda G.		GPCR Therapeutics USA, Inc.	28-Feb-23						

NIH Patent Licensing Activities
NCI
March 2023

(b) (3) (A), (b) (4), (b) (6)

L-162-2014/1	Gottesman, Michael M.	(b) (4), (b) (6)	Pfizer, Inc.	1-Mar-23
L-162-2014/1	Pastan, Ira H.		Pfizer, Inc.	1-Mar-23
L-162-2014/1	Ueda, Kazumitsu		Pfizer, Inc.	1-Mar-23
L-116-2016/1	(b) (4)		Relay Therapeutics, Inc	1-Mar-23
L-116-2016/1	Esposito, Dominic		Relay Therapeutics, Inc	1-Mar-23
L-116-2016/1	Gillette, William K.		Relay Therapeutics, Inc	1-Mar-23
L-116-2016/1	Grose, Carissa L.		Relay Therapeutics, Inc	1-Mar-23
L-116-2016/1	Hopkins, Ralph F.		Relay Therapeutics, Inc	1-Mar-23
L-116-2016/1	Roberts, Veronica Ann		Relay Therapeutics, Inc	1-Mar-23
L-122-2017/0	Choyke, Peter L		Koninklijke Philips N.V.	1-Mar-23
L-122-2017/0	Pinto, Peter A		Koninklijke Philips N.V.	1-Mar-23
L-122-2017/0	Turkbey, Ismail B.		Koninklijke Philips N.V.	1-Mar-23
Note: L-122-2017/0 split between CC; NCI				
L-125-2021/0	Beyer, Rachel K. B.		Relay Therapeutics, Inc	1-Mar-23
L-125-2021/0	(b) (4)		Relay Therapeutics, Inc	1-Mar-23
L-125-2021/0	Holderfield, Matthew T.		Relay Therapeutics, Inc	1-Mar-23
L-125-2021/0	Soppet, Dan		Relay Therapeutics, Inc	1-Mar-23
L-112-2022/0	Adhya, Sankar Lal		Pfizer, Inc.	1-Mar-23
L-112-2022/0	Garges, Susan		Pfizer, Inc.	1-Mar-23
L-112-2022/0	Jakubczak, John L.		Pfizer, Inc.	1-Mar-23
L-112-2022/0	Merlino, Glenn T.		Pfizer, Inc.	1-Mar-23
L-091-2023/0	Bergman, Knickole		Jereka Biosciences Inc.	1-Mar-23
L-091-2023/0	Brognard, John		Jereka Biosciences Inc.	1-Mar-23
L-091-2023/0	Cappell, Steven David		Jereka Biosciences Inc.	1-Mar-23
L-091-2023/0	Funk, Amy		Jereka Biosciences Inc.	1-Mar-23
L-091-2023/0	Katerji, Meghri		Jereka Biosciences Inc.	1-Mar-23
L-091-2023/0	Nyswaner, Katherine		Jereka Biosciences Inc.	1-Mar-23
Note: L-091-2023/0 split between NCI; NHLBI				
L-010-2008/1	Hathcock, Karen		BioLegend	2-Mar-23
L-010-2008/1	Hodes, Richard J		BioLegend	2-Mar-23
L-010-2008/1	Laszlo, Gloria		BioLegend	2-Mar-23
L-020-2008/2	Roop, Dennis R.		BioLegend	2-Mar-23
L-020-2008/2	Steinert, (b) (6) Peter M.		BioLegend	2-Mar-23
L-020-2008/2	Yuspa, Stuart H.		BioLegend	2-Mar-23
L-042-2008/1	Azimi, Nazli		Biolegend	2-Mar-23
L-042-2008/1	Dubois, Sigrid		Biolegend	2-Mar-23
L-042-2008/1	Goldman, Carolyn		Biolegend	2-Mar-23
L-042-2008/1	Kilbourne, Jennifer Mariner		Biolegend	2-Mar-23
L-042-2008/1	Lantz, Valerie A		Biolegend	2-Mar-23
L-042-2008/1	Waldmann, Thomas A.		Biolegend	2-Mar-23
L-073-2009/1	Bonner, William M		BioLegend	2-Mar-23
L-073-2009/1	Rogakou, Efthimia P.		BioLegend	2-Mar-23
L-092-2009/2	Makrigiannis, Andrew P.		BioLegend, Inc.	2-Mar-23
L-136-2009/1	Mason, Llewellyn H.		BioLegend	2-Mar-23
L-136-2009/1	Ortaldo, John R.		BioLegend	2-Mar-23

(b) (3) (A), (b) (4), (b) (6)

L-007-2011/2	Onda, Masanori	(b) (4), (b) (6)	BioLegend	2-Mar-23
L-007-2011/2	Pastan, Ira H.		BioLegend	2-Mar-23
L-037-2011/1	Jelinek, Ivett		BioLegend	2-Mar-23
L-037-2011/1	Segal, David M.		BioLegend	2-Mar-23
L-037-2011/1	Wang, Yan		BioLegend	2-Mar-23
L-070-2012/1	Hathcock, Karen		BioLegend	2-Mar-23
L-070-2012/1	Hodes, Richard J		BioLegend	2-Mar-23
L-070-2012/1	Laszlo, Gloria		BioLegend	2-Mar-23
L-095-2012/0	Baskar, Sivasubramanian		BioLegend	2-Mar-23
L-095-2012/0	Rader, Christoph		BioLegend	2-Mar-23
L-198-2015/0	Ise, Tomoko		BioLegend	2-Mar-23
L-198-2015/0	Nagata, Satoshi		BioLegend	2-Mar-23
L-198-2015/0	Pastan, Ira H.		BioLegend	2-Mar-23
L-019-2022/0	Kouprina, Natalay Y		Replay Holdings, LLC	2-Mar-23
L-019-2022/0	Larionov, Vladmir L		Replay Holdings, LLC	2-Mar-23
L-019-2022/0	Noskov, Vladimir		Replay Holdings, LLC	2-Mar-23
L-239-2021/0	Bonomi, Carrie A.		Idorsia Pharmaceuticals Ltd	6-Mar-23
L-239-2021/0	Borgel, Suzanne D.		Idorsia Pharmaceuticals Ltd	6-Mar-23
L-239-2021/0	Dougherty, Kelly		Idorsia Pharmaceuticals Ltd	6-Mar-23
L-239-2021/0	Hollingshead, Melinda G.		Idorsia Pharmaceuticals Ltd	6-Mar-23
L-151-2019/1	Bonomi, Carrie A.		Pliant Therapeutics, Inc.	7-Mar-23
L-151-2019/1	Borgel, Suzanne D.		Pliant Therapeutics, Inc.	7-Mar-23
L-151-2019/1	Dougherty, Kelly		Pliant Therapeutics, Inc.	7-Mar-23
L-151-2019/1	Hollingshead, Melinda G.		Pliant Therapeutics, Inc.	7-Mar-23
L-128-2021/0	Bonomi, Carrie A.		Clovis Oncology, Inc.	7-Mar-23
L-128-2021/0	Borgel, Suzanne D.		Clovis Oncology, Inc.	7-Mar-23
L-128-2021/0	Dougherty, Kelly		Clovis Oncology, Inc.	7-Mar-23
L-128-2021/0	Hollingshead, Melinda G.		Clovis Oncology, Inc.	7-Mar-23
L-174-2018/0	Bonomi, Carrie A.		Scancell	8-Mar-23
L-174-2018/0	Borgel, Suzanne D.		Scancell	8-Mar-23
L-174-2018/0	Dougherty, Kelly		Scancell	8-Mar-23
L-174-2018/0	Hollingshead, Melinda G.		Scancell	8-Mar-23
L-201-2016/0	Chang, Nancy T.		F. Hoffmann-La Roche Ltd	9-Mar-23
L-201-2016/0	Crowl, Robert		F. Hoffmann-La Roche Ltd	9-Mar-23
L-201-2016/0	Fisher, Amanda G.		F. Hoffmann-La Roche Ltd	9-Mar-23
L-201-2016/0	Gallo, Robert C.		F. Hoffmann-La Roche Ltd	9-Mar-23
L-201-2016/0	Hahn, Beatrice		F. Hoffmann-La Roche Ltd	9-Mar-23
L-201-2016/0	Popovic, Mikulas		F. Hoffmann-La Roche Ltd	9-Mar-23
L-201-2016/0	Reddy, E. Premkumar.		F. Hoffmann-La Roche Ltd	9-Mar-23
L-201-2016/0	Sarngadharan, Mangalasseril		F. Hoffmann-La Roche Ltd	9-Mar-23
L-201-2016/0	Shaw, George M		F. Hoffmann-La Roche Ltd	9-Mar-23
L-201-2016/0	Wong-Staal Family Tr, The		F. Hoffmann-La Roche Ltd	9-Mar-23
L-304-2019/0	Cafri, Gal		Intellia Therapeutics, Inc	9-Mar-23
L-304-2019/0	Dudley, Mark		Intellia Therapeutics, Inc	9-Mar-23
L-304-2019/0	Fitzgerald, Peter C.		Intellia Therapeutics, Inc	9-Mar-23
L-304-2019/0	Gartner, Jared		Intellia Therapeutics, Inc	9-Mar-23

		(b) (4), (b) (6)			(b) (3) (A), (b) (4), (b) (6)
L-304-2019/0	Gros, Alena		Intellia Therapeutics, Inc	9-Mar-23	
L-304-2019/0	Lu, Yong-Chen		Intellia Therapeutics, Inc	9-Mar-23	
L-304-2019/0	Robbins, Paul F		Intellia Therapeutics, Inc	9-Mar-23	
L-304-2019/0	Tran, Eric		Intellia Therapeutics, Inc	9-Mar-23	
L-304-2019/0	Wunderlich, John		Intellia Therapeutics, Inc	9-Mar-23	
L-304-2019/0	Zheng, Zhili		Intellia Therapeutics, Inc	9-Mar-23	
L-121-2019/0	Gottesman, Michael M.		Axcelead Drug Discovery Partners, Inc	10-Mar-23	
L-121-2019/0	Pastan, Ira H.		Axcelead Drug Discovery Partners, Inc	10-Mar-23	
L-121-2019/0	Ueda, Kazumitsu		Axcelead Drug Discovery Partners, Inc	10-Mar-23	
L-177-2022/0	Gazdar, (b) (6) Adi		Aktis Oncology	10-Mar-23	
L-177-2022/0	Johnson, Bruce E		Aktis Oncology	10-Mar-23	
L-177-2022/0	Kaye, Frederic J		Aktis Oncology	10-Mar-23	
L-177-2022/0	Khleif, Samir N.		Aktis Oncology	10-Mar-23	
L-177-2022/0	Minna, John D.		Aktis Oncology	10-Mar-23	
L-177-2022/0	Oie, (b) (6) Herbert K		Aktis Oncology	10-Mar-23	
L-177-2022/0	Pass, Harvey I		Aktis Oncology	10-Mar-23	
L-206-2022/0	Gazdar, (b) (6) Adi		WuXi Biologics Ireland Limited	10-Mar-23	
L-206-2022/0	Johnson, Bruce E		WuXi Biologics Ireland Limited	10-Mar-23	
L-206-2022/0	Kaye, Frederic J		WuXi Biologics Ireland Limited	10-Mar-23	
L-206-2022/0	Khleif, Samir N.		WuXi Biologics Ireland Limited	10-Mar-23	
L-206-2022/0	Minna, John D.		WuXi Biologics Ireland Limited	10-Mar-23	
L-206-2022/0	Oie, (b) (6) Herbert K		WuXi Biologics Ireland Limited	10-Mar-23	
L-206-2022/0	Pass, Harvey I		WuXi Biologics Ireland Limited	10-Mar-23	
L-026-2023/0	Gazdar, (b) (6) Adi		Chong Kun Dang, Pharma	10-Mar-23	
L-026-2023/0	Johnson, Bruce E		Chong Kun Dang, Pharma	10-Mar-23	
L-026-2023/0	Kaye, Frederic J		Chong Kun Dang, Pharma	10-Mar-23	
L-026-2023/0	Khleif, Samir N.		Chong Kun Dang, Pharma	10-Mar-23	
L-026-2023/0	Minna, John D.		Chong Kun Dang, Pharma	10-Mar-23	
L-026-2023/0	Oie, (b) (6) Herbert K		Chong Kun Dang, Pharma	10-Mar-23	
L-026-2023/0	Pass, Harvey I		Chong Kun Dang, Pharma	10-Mar-23	
L-117-2023/0	Bonomi, Carrie A.		Axcelead Drug Discovery Partners, Inc	10-Mar-23	
L-117-2023/0	Borgel, Suzanne D.		Axcelead Drug Discovery Partners, Inc	10-Mar-23	
L-117-2023/0	Dougherty, Kelly		Axcelead Drug Discovery Partners, Inc	10-Mar-23	
L-117-2023/0	Hollingshead, Melinda G.		Axcelead Drug Discovery Partners, Inc	10-Mar-23	
L-154-1997/2	Mason, Llewellyn H.		BD Biosciences - BD PharMingen	13-Mar-23	
L-154-1997/2	Ortaldo, John R.		BD Biosciences - BD PharMingen	13-Mar-23	
L-097-2000/3	Austin, Faye C.		BD Biosciences, PharMingen	13-Mar-23	
L-097-2000/3	Colcher, David		BD Biosciences, PharMingen	13-Mar-23	
L-097-2000/3	Hand, Patricia H.		BD Biosciences, PharMingen	13-Mar-23	
L-097-2000/3	Nuti, Marianna		BD Biosciences, PharMingen	13-Mar-23	
L-097-2000/3	Schlom, Jeffrey		BD Biosciences, PharMingen	13-Mar-23	
L-100-2012/1	Ise, Tomoko		BD Biosciences	13-Mar-23	
L-100-2012/1	Nagata, Satoshi		BD Biosciences	13-Mar-23	
L-100-2012/1	Pastan, Ira H.		BD Biosciences	13-Mar-23	
L-076-2016/0	Azimi, Nazli		BD Biosciences	13-Mar-23	
L-076-2016/0	Dubois, Sigrid		BD Biosciences	13-Mar-23	
L-076-2016/0	Goldman, Carolyn		BD Biosciences	13-Mar-23	
L-076-2016/0	Kilbourne, Jennifer Mariner		BD Biosciences	13-Mar-23	

L-076-2016/0	Lantz, Valerie A	(b) (4), (b) (6)	BD Biosciences	13-Mar-23	(b) (3) (A), (b) (4), (b) (6)
L-076-2016/0	Waldmann, Thomas A.		BD Biosciences	13-Mar-23	
L-082-2020/0	Abrams, Scott I		Compass Therapeutics LLC	13-Mar-23	
L-082-2020/0	Schlom, Jeffrey		Compass Therapeutics LLC	13-Mar-23	
L-178-2022/0	Bonomi, Carrie A.		Ahn-Gook Pharmaceutical Co. Ltd.	13-Mar-23	
L-178-2022/0	Borgel, Suzanne D.		Ahn-Gook Pharmaceutical Co. Ltd.	13-Mar-23	
L-178-2022/0	Dougherty, Kelly		Ahn-Gook Pharmaceutical Co. Ltd.	13-Mar-23	
L-178-2022/0	Hollingshead, Melinda G.		Ahn-Gook Pharmaceutical Co. Ltd.	13-Mar-23	
L-011-2006/0	NCI		Dako Denmark A/S	14-Mar-23	
L-239-2015/0	Gazdar, (b) (6) Adi	(b) (4), (b) (6)	Dako North America	14-Mar-23	
L-239-2015/0	Johnson, Bruce E		Dako North America	14-Mar-23	
L-239-2015/0	Kaye, Frederic J		Dako North America	14-Mar-23	
L-239-2015/0	Khleif, Samir N.		Dako North America	14-Mar-23	
L-239-2015/0	Minna, John D.		Dako North America	14-Mar-23	
L-239-2015/0	Oie, (b) (6) Herbert K		Dako North America	14-Mar-23	
L-239-2015/0	Pass, Harvey I		Dako North America	14-Mar-23	
L-031-2023/0	Buck, Christopher		Incepta Vaccine Ltd.	14-Mar-23	
L-031-2023/0	(b) (4)		Incepta Vaccine Ltd.	14-Mar-23	
L-031-2023/0	Lowy, Douglas R.		Incepta Vaccine Ltd.	14-Mar-23	
L-031-2023/0	Pastrana, Diana V		Incepta Vaccine Ltd.	14-Mar-23	
L-031-2023/0	Roden, Richard B.		Incepta Vaccine Ltd.	14-Mar-23	
L-031-2023/0	Schiller, John T		Incepta Vaccine Ltd.	14-Mar-23	
L-203-1994/0	Aaronson, Stuart A.		BD Biosciences - BD PharMingen, Inc.	15-Mar-23	
L-203-1994/0	Jensen, Roy A.		BD Biosciences - BD PharMingen, Inc.	15-Mar-23	
L-203-1994/0	LaRochelle, William		BD Biosciences - BD PharMingen, Inc.	15-Mar-23	
L-203-1994/0	Matsui, Toshimitsu		BD Biosciences - BD PharMingen, Inc.	15-Mar-23	
L-203-1994/0	Pierce, Jacalyn H.		BD Biosciences - BD PharMingen, Inc.	15-Mar-23	
L-203-1994/0	Robbins, Keith		BD Biosciences - BD PharMingen, Inc.	15-Mar-23	
L-183-2019/0	Esposito, Dominic		Plexxikon Inc.	15-Mar-23	
L-183-2019/0	Gillette, William K.		Plexxikon Inc.	15-Mar-23	
L-183-2019/0	Grose, Carissa L.		Plexxikon Inc.	15-Mar-23	
L-033-2022/0	Bonomi, Carrie A.		KOJIN THERAPEUTICS, INC.	15-Mar-23	
L-033-2022/0	Borgel, Suzanne D.		KOJIN THERAPEUTICS, INC.	15-Mar-23	
L-033-2022/0	Dougherty, Kelly		KOJIN THERAPEUTICS, INC.	15-Mar-23	
L-033-2022/0	Hollingshead, Melinda G.		KOJIN THERAPEUTICS, INC.	15-Mar-23	
L-220-2022/0	Gazdar, (b) (6) Adi		Pfizer Inc.	15-Mar-23	
L-220-2022/0	Johnson, Bruce E		Pfizer Inc.	15-Mar-23	
L-220-2022/0	Kaye, Frederic J		Pfizer Inc.	15-Mar-23	
L-220-2022/0	Khleif, Samir N.		Pfizer Inc.	15-Mar-23	
L-220-2022/0	Minna, John D.		Pfizer Inc.	15-Mar-23	
L-220-2022/0	Oie, (b) (6) Herbert K		Pfizer Inc.	15-Mar-23	
L-220-2022/0	Pass, Harvey I		Pfizer Inc.	15-Mar-23	
L-157-2021/0	Bonomi, Carrie A.		Pyxis Oncology Inc	16-Mar-23	
L-157-2021/0	Borgel, Suzanne D.		Pyxis Oncology Inc	16-Mar-23	
L-157-2021/0	Dougherty, Kelly		Pyxis Oncology Inc	16-Mar-23	
L-157-2021/0	Hollingshead, Melinda G.		Pyxis Oncology Inc	16-Mar-23	

(b) (3) (A), (b) (4), (b) (6)

L-177-2023/0	Bonomi, Carrie A.	(b) (4), (b) (6)	Neomorph, Inc.	16-Mar-23
L-177-2023/0	Borgel, Suzanne D.		Neomorph, Inc.	16-Mar-23
L-177-2023/0	Dougherty, Kelly		Neomorph, Inc.	16-Mar-23
L-177-2023/0	Hollingshead, Melinda G.		Neomorph, Inc.	16-Mar-23
L-201-2019/0	Esposito, Dominic		LakePharma	17-Mar-23
L-201-2019/0	Grose, Carissa L.		LakePharma	17-Mar-23
L-098-2022/0	Gazdar, (b) (6) Adi		AbbVie, Inc.	17-Mar-23
L-098-2022/0	Johnson, Bruce E		AbbVie, Inc.	17-Mar-23
L-098-2022/0	Kaye, Frederic J		AbbVie, Inc.	17-Mar-23
L-098-2022/0	Khleif, Samir N.		AbbVie, Inc.	17-Mar-23
L-098-2022/0	Minna, John D.		AbbVie, Inc.	17-Mar-23
L-098-2022/0	Oie, (b) (6) Herbert K		AbbVie, Inc.	17-Mar-23
L-098-2022/0	Pass, Harvey I		AbbVie, Inc.	17-Mar-23
L-099-2022/0	Gazdar, (b) (6) Adi		AbbVie, Inc.	17-Mar-23
L-099-2022/0	Johnson, Bruce E		AbbVie, Inc.	17-Mar-23
L-099-2022/0	Kaye, Frederic J		AbbVie, Inc.	17-Mar-23
L-099-2022/0	Khleif, Samir N.		AbbVie, Inc.	17-Mar-23
L-099-2022/0	Minna, John D.		AbbVie, Inc.	17-Mar-23
L-099-2022/0	Oie, (b) (6) Herbert K		AbbVie, Inc.	17-Mar-23
L-099-2022/0	Pass, Harvey I		AbbVie, Inc.	17-Mar-23
L-056-2023/0	Bonomi, Carrie A.		Cidara Therapeutics, Inc.	17-Mar-23
L-056-2023/0	Borgel, Suzanne D.		Cidara Therapeutics, Inc.	17-Mar-23
L-056-2023/0	Dougherty, Kelly		Cidara Therapeutics, Inc.	17-Mar-23
L-056-2023/0	Hollingshead, Melinda G.		Cidara Therapeutics, Inc.	17-Mar-23
L-031-2023/0	Buck, Christopher		Incepta Vaccine Ltd.	20-Mar-23
L-031-2023/0	(b) (4)		Incepta Vaccine Ltd.	20-Mar-23
L-031-2023/0	Lowy, Douglas R.		Incepta Vaccine Ltd.	20-Mar-23
L-031-2023/0	Pastrana, Diana V		Incepta Vaccine Ltd.	20-Mar-23
L-031-2023/0	Roden, Richard B.		Incepta Vaccine Ltd.	20-Mar-23
L-031-2023/0	Schiller, John T		Incepta Vaccine Ltd.	20-Mar-23
L-049-1994/2	Cheng, Sheue-Yann		Pierce BioTechnology, Inc	21-Mar-23
L-200-1997/2	Gelboin, (b) (6) Harry		Life Technologies	21-Mar-23
L-200-1997/2	Gonzalez, Frank J.		Life Technologies	21-Mar-23
L-049-2000/1	Hathcock, Karen		eBioscience, Inc..	21-Mar-23
L-049-2000/1	Hodes, Richard J		eBioscience, Inc..	21-Mar-23
L-049-2000/1	Laszlo, Gloria		eBioscience, Inc..	21-Mar-23
Note: L-049-2000/1 split between NCI; NIAID				
L-317-2002/2	Hathcock, Karen		Affymetrix, Inc.	21-Mar-23
L-317-2002/2	Hodes, Richard J		Affymetrix, Inc.	21-Mar-23
L-317-2002/2	Laszlo, Gloria		Affymetrix, Inc.	21-Mar-23
L-091-2004/1	Makrigiannis, Andrew P.		Ebioscience	21-Mar-23
L-114-2006/1	Azimi, Nazli		Affymetrix, Inc.	21-Mar-23
L-114-2006/1	Dubois, Sigrid		Affymetrix, Inc.	21-Mar-23
L-114-2006/1	Goldman, Carolyn		Affymetrix, Inc.	21-Mar-23
L-114-2006/1	Kilbourne, Jennifer Mariner		Affymetrix, Inc.	21-Mar-23
L-114-2006/1	Lantz, Valerie A		Affymetrix, Inc.	21-Mar-23

(b) (3) (A), (b) (4), (b) (6)

L-114-2006/1	Waldmann, Thomas A.	(b) (4), (b) (6)	Affymetrix, Inc.	21-Mar-23
L-004-2007/2	Qasba, Pradman		Life Technologies Corp.	21-Mar-23
L-004-2007/2	Ramakrishnan, Boopathy		Life Technologies Corp.	21-Mar-23
L-148-2017/1	Chatterjee, Deb K		Chimeron Bio Corporation	21-Mar-23
L-148-2017/1	Kaczmarczyk, Stanislaw		Chimeron Bio Corporation	21-Mar-23
L-028-2018/1	Choyke, Peter L		Scanmed LLC	21-Mar-23
L-028-2018/1	Gaur, Sonia Sonalee		Scanmed LLC	21-Mar-23
L-028-2018/1	Greer, Matthew D.		Scanmed LLC	21-Mar-23
L-028-2018/1	Mertan, Francesca		Scanmed LLC	21-Mar-23
L-028-2018/1	Turkbey, Ismail B.		Scanmed LLC	21-Mar-23
Note: L-028-2018/1 split between CC; CIT; NCI				
L-100-2020/0	Benter, Thomas		Mikrogen GmbH	21-Mar-23
L-100-2020/0	Felber, Barbara K.		Mikrogen GmbH	21-Mar-23
L-100-2020/0	Sadaie, Mohammad Reza		Mikrogen GmbH	21-Mar-23
L-091-2023/0	NCI		Uereka Biosciences Inc.	21-Mar-23
Note: L-091-2023/0 split between NCI; NHLBI				
L-245-1994/1	Popovic, Mikulas	(b) (4), (b) (6)	SearCare Life Sciences	22-Mar-23
L-245-1994/1	Sarngadharan, Mangalasseril		SearCare Life Sciences	22-Mar-23
Note: L-245-1994/1 split between NCI; NIAID				
L-161-2004/1	(b) (4)		SeraCare Life Sciences, Inc.	22-Mar-23
L-161-2004/1	Popovic, Mikulas		SeraCare Life Sciences, Inc.	22-Mar-23
L-161-2004/1	Sarngadharan, Mangalasseril		SeraCare Life Sciences, Inc.	22-Mar-23
L-227-2017/0	Bonomi, Carrie A.		Seres Therapeutics, Inc.	22-Mar-23
L-227-2017/0	Borgel, Suzanne D.		Seres Therapeutics, Inc.	22-Mar-23
L-227-2017/0	Dougherty, Kelly		Seres Therapeutics, Inc.	22-Mar-23
L-227-2017/0	Hollingshead, Melinda G.		Seres Therapeutics, Inc.	22-Mar-23
L-161-2019/0	Gazdar, (b) (6) Adi		SearCare Life Sciences	22-Mar-23
L-161-2019/0	Johnson, Bruce E		SearCare Life Sciences	22-Mar-23
L-161-2019/0	Kaye, Frederic J		SearCare Life Sciences	22-Mar-23
L-161-2019/0	Khleif, Samir N.		SearCare Life Sciences	22-Mar-23
L-161-2019/0	Minna, John D.		SearCare Life Sciences	22-Mar-23
L-161-2019/0	Oie, (b) (6) Herbert K		SearCare Life Sciences	22-Mar-23
L-161-2019/0	Pass, Harvey I		SearCare Life Sciences	22-Mar-23
L-239-2019/0	NCI		Cartesian Therapeutics, Inc.	23-Mar-23
L-026-2023/0	Gazdar, (b) (6) Adi	(b) (4), (b) (6)	Chong Kun Dang, Pharma	23-Mar-23
L-026-2023/0	Johnson, Bruce E		Chong Kun Dang, Pharma	23-Mar-23
L-026-2023/0	Kaye, Frederic J		Chong Kun Dang, Pharma	23-Mar-23
L-026-2023/0	Khleif, Samir N.		Chong Kun Dang, Pharma	23-Mar-23
L-026-2023/0	Minna, John D.		Chong Kun Dang, Pharma	23-Mar-23
L-026-2023/0	Oie, (b) (6) Herbert K		Chong Kun Dang, Pharma	23-Mar-23
L-026-2023/0	Pass, Harvey I		Chong Kun Dang, Pharma	23-Mar-23
L-120-2023/0	Bonomi, Carrie A.		Medicenna Therapeutics, Inc.	23-Mar-23
L-120-2023/0	Borgel, Suzanne D.		Medicenna Therapeutics, Inc.	23-Mar-23
L-120-2023/0	Dougherty, Kelly		Medicenna Therapeutics, Inc.	23-Mar-23
L-120-2023/0	Hollingshead, Melinda G.		Medicenna Therapeutics, Inc.	23-Mar-23

		(b) (4), (b) (6)								(b) (3) (A), (b) (4), (b) (6)
L-132-2019/0	Bonomi, Carrie A.		Shattuck Labs, Inc	24-Mar-23						
L-132-2019/0	Borgel, Suzanne D.		Shattuck Labs, Inc	24-Mar-23						
L-132-2019/0	Dougherty, Kelly		Shattuck Labs, Inc	24-Mar-23						
L-132-2019/0	Hollingshead, Melinda G.		Shattuck Labs, Inc	24-Mar-23						
L-212-2021/0	Robbins, Paul F		BioNTech US, Inc	24-Mar-23						
L-212-2021/0	Yao, Xin		BioNTech US, Inc	24-Mar-23						
L-061-2022/0	Fry, Terry		Sana Biotechnology, Inc.	24-Mar-23						
L-061-2022/0	Haso, Waleed		Sana Biotechnology, Inc.	24-Mar-23						
L-061-2022/0	Mackall, Crystal L		Sana Biotechnology, Inc.	24-Mar-23						
L-061-2022/0	Orentas, Rimas J.		Sana Biotechnology, Inc.	24-Mar-23						
L-061-2022/0	Pastan, Ira H.		Sana Biotechnology, Inc.	24-Mar-23						
L-061-2022/0	Qin, Haiying		Sana Biotechnology, Inc.	24-Mar-23						
L-061-2022/0	Xiao, Xiaodong		Sana Biotechnology, Inc.	24-Mar-23						
L-174-2023/0	Gazdar, (b) (6) Adi		Voronoi	27-Mar-23						
L-174-2023/0	Johnson, Bruce E		Voronoi	27-Mar-23						
L-174-2023/0	Kaye, Frederic J		Voronoi	27-Mar-23						
L-174-2023/0	Khleif, Samir N.		Voronoi	27-Mar-23						
L-174-2023/0	Minna, John D.		Voronoi	27-Mar-23						
L-174-2023/0	Oie, (b) (6) Herbert K		Voronoi	27-Mar-23						
L-174-2023/0	Pass, Harvey I		Voronoi	27-Mar-23						
L-183-2020/0	Felber, Barbara K.		Frontier Biotechnologies Inc.	29-Mar-23						
L-183-2020/0	Pavlakis, George N		Frontier Biotechnologies Inc.	29-Mar-23						
L-109-2023/0	Gazdar, (b) (6) Adi		Celsius Therapeutics, Inc.	29-Mar-23						
L-109-2023/0	Johnson, Bruce E		Celsius Therapeutics, Inc.	29-Mar-23						
L-109-2023/0	Kaye, Frederic J		Celsius Therapeutics, Inc.	29-Mar-23						
L-109-2023/0	Khleif, Samir N.		Celsius Therapeutics, Inc.	29-Mar-23						
L-109-2023/0	Minna, John D.		Celsius Therapeutics, Inc.	29-Mar-23						
L-109-2023/0	Oie, (b) (6) Herbert K		Celsius Therapeutics, Inc.	29-Mar-23						
L-109-2023/0	Pass, Harvey I		Celsius Therapeutics, Inc.	29-Mar-23						
L-003-2022/0	Bonomi, Carrie A.		FibroGen, Inc.	30-Mar-23						
L-003-2022/0	Borgel, Suzanne D.		FibroGen, Inc.	30-Mar-23						
L-003-2022/0	Dougherty, Kelly		FibroGen, Inc.	30-Mar-23						
L-003-2022/0	Hollingshead, Melinda G.		FibroGen, Inc.	30-Mar-23						
L-116-2023/0	Gazdar, (b) (6) Adi		ILAb Co., Ltd. [KR]	30-Mar-23						
L-116-2023/0	Johnson, Bruce E		ILAb Co., Ltd. [KR]	30-Mar-23						
L-116-2023/0	Kaye, Frederic J		ILAb Co., Ltd. [KR]	30-Mar-23						
L-116-2023/0	Khleif, Samir N.		ILAb Co., Ltd. [KR]	30-Mar-23						
L-116-2023/0	Minna, John D.		ILAb Co., Ltd. [KR]	30-Mar-23						
L-116-2023/0	Oie, (b) (6) Herbert K		ILAb Co., Ltd. [KR]	30-Mar-23						
L-116-2023/0	Pass, Harvey I		ILAb Co., Ltd. [KR]	30-Mar-23						
L-104-2020/1	NCI		T-Cure Bioscience, Inc.	31-Mar-23						
					$18,791,781.59	$816,755.22	$19,608,536.81		$4,537,442.94	$15,071,093.87

NIH Patent Licensing Activities
NEI
October 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total October Income	License Cumulative Income	Inventor Awards October	Net Remaining to IC
L-133-2021/1	Davis, (b) (6) Janine A	(b) (4), (b) (6)	AbbVie, Inc.	24-Oct-22						(b) (3) (A), (b) (4), (b) (6)

Note: L-133-2021/1 split between NEI; NINDS

NIH Patent Licensing Activities
NEI
November 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total November Income	License Cumulative Income	Inventor Awards November	Net Remaining to IC

NIH Patent Licensing Activities
NEI
December 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total December Income	License Cumulative Income	Inventor Awards December	Net Remaining to IC

NIH Patent Licensing Activities
NEI
January 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total January Income	License Cumulative Income	Inventor Awards January	Net Remaining to IC
L-152-2021/0	Colosi, Peter C.	(b) (4), (b) (6)	VegaVect, Inc.	12-Jan-23						(b) (3) (A), (b) (4), (b) (6)
L-152-2021/0	Wei, Lisa Lining		VegaVect, Inc.	12-Jan-23						
L-152-2021/0	Wiley, Henry Ernest		VegaVect, Inc.	12-Jan-23						

Note: L-152-2021/0 split between NEI; NIDCD

NIH Patent Licensing Activities
NEI
February 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total February Income	License Cumulative Income	Inventor Awards February	Net Remaining to IC
L-050-2021/0	Amaral, Juan A.	(b) (4), (b) (6)	CellRay, LLC	17-Feb-23						(b) (3) (A), (b) (4), (b) (6)
L-050-2021/0	Bharti, Kapil		CellRay, LLC	17-Feb-23						
L-050-2021/0	Charles, Steven Thomas		CellRay, LLC	17-Feb-23						
L-050-2021/0	Davis, (b) (6) Janine A		CellRay, LLC	17-Feb-23						

		(b) (4),									(b) (3) (A), (b) (4), (b) (6)
L-050-2021/0	Hotaling, Nathan	(b) (6)	CellRay, LLC	17-Feb-23							
L-050-2021/0	Khristov, Vladimir R.		CellRay, LLC	17-Feb-23							
L-050-2021/0	Maminishkis, Arvydas		CellRay, LLC	17-Feb-23							
L-050-2021/0	NIST		CellRay, LLC	17-Feb-23							
Note: L-050-2021/0 split between NEI; NINDS											
L-168-2015/1	Li, Tiansen		Millipore Sigma	21-Feb-23							
L-168-2015/1	Swaroop, Anand		Millipore Sigma	21-Feb-23							

NIH Patent Licensing Activities
NEI
March 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total March Income	License Cumulative Income	Inventor Awards March	Net Remaining to IC
L-230-2002/1	Bunce, George E.	(b) (4), (b)	Bausch & Lomb	1-Mar-23						(b) (3) (A), (b) (4), (b) (6)
L-230-2002/1	Ferris III, Frederick L.	(6)	Bausch & Lomb	1-Mar-23						
L-230-2002/1	Kinoshita, (b) (6) Jin H		Bausch & Lomb	1-Mar-23						
L-230-2002/1	Smith, James Cecil		Bausch & Lomb	1-Mar-23						
L-162-2021/0	Gentleman, Susan B.		Frontera Therapeutics, Inc.	23-Mar-23						
L-162-2021/0	Redmond, Thomas M.		Frontera Therapeutics, Inc.	23-Mar-23						
					$5,078,174.75	$0.00	$5,078,174.75		$609,992.49	$4,468,182.26

NIH Patent Licensing Activities
NHGRI
October 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total October Income	License Cumulative Income	Inventor Awards October	Net Remaining to IC
L-183-2014/0	Gispert-Sanchez, Suzana	(b) (4), (b) (6)	UCSF	24-Oct-22						(b) (3) (A), (b) (4), (b) (6)
L-183-2014/0	Nussbaum, Robert L.		UCSF	24-Oct-22						

NIH Patent Licensing Activities
NHGRI
November 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total November Income	License Cumulative Income	Inventor Awards November	Net Remaining to IC
L-117-2022/0	Collins, Francis S	(b) (4), (b) (6)	Altos Labs, Inc.	15-Nov-22						(b) (3) (A), (b) (4), (b) (6)
L-117-2022/0	Erdos, Michael R.		Altos Labs, Inc.	15-Nov-22						
L-117-2022/0	Eriksson, Maria		Altos Labs, Inc.	15-Nov-22						
L-117-2022/0	Varga, Renee		Altos Labs, Inc.	15-Nov-22						

NIH Patent Licensing Activities
NHGRI
December 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total December Income	License Cumulative Income	Inventor Awards December	Net Remaining to IC
L-183-2022/0	Chandler, Randy J.	(b) (4), (b) (6)	Frontera Therapeutics, Inc.	5-Dec-22						(b) (3) (A), (b) (4), (b) (6)
L-183-2022/0	Schneller, Jessica L.		Frontera Therapeutics, Inc.	5-Dec-22						
L-183-2022/0	Venditti, Charles P.		Frontera Therapeutics, Inc.	5-Dec-22						
L-069-2019/0	NHGRI		LogicBio Therapeutics, Inc.	13-Dec-22						
L-017-2021/0	Chandler, Randy J.	(b) (4), (b) (6)	Genespire	20-Dec-22						
L-017-2021/0	Manoli, Eirini		Genespire	20-Dec-22						
L-017-2021/0	Venditti, Charles P.		Genespire	20-Dec-22						
L-146-2018/2	Gahl, WIlliam A.		Leadiant Biosciences	22-Dec-22						
L-146-2018/2	Huizing, Marjan		Leadiant Biosciences	22-Dec-22						
L-146-2018/2	Klootwijk, Enriko D.		Leadiant Biosciences	22-Dec-22						
L-146-2018/2	Manoli, Eirini		Leadiant Biosciences	22-Dec-22						
L-216-2017/0	NHGRI		Select a Biosciences, Inc.	23-Dec-22						

NIH Patent Licensing Activities
NHGRI

January 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total January Income	License Cumulative Income	Inventor Awards January	Net Remaining to IC
L-057-2015/0	NHGRI		MANDOS, LLC	20-Jan-23						(b) (3) (A), (b) (4), (b) (6)
Note: L-057-2015/0 split between NCATS; NHGRI										
L-006-2021/0	Mijares, Lilia A.	(b) (4), (b) (6)	Federation Bio	20-Jan-23						
L-006-2021/0	Segre, Julia A.		Federation Bio	20-Jan-23						
Note: L-006-2021/0 split between NHGRI; NIAMS										

NIH Patent Licensing Activities
NHGRI
February 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total February Income	License Cumulative Income	Inventor Awards February	Net Remaining to IC
L-116-2013/0	NHGRI		EMD Millipore Corp.	21-Feb-23						(b) (3) (A), (b) (4), (b) (6)
Note: L-116-2013/0 split between NCATS; NHGRI										
L-069-2019/0	Chandler, Randy J.	(b) (4), (b) (6)	LogicBio Therapeutics, Inc.	24-Feb-23						
L-069-2019/0	Venditti, Charles P.		LogicBio Therapeutics, Inc.	24-Feb-23						

NIH Patent Licensing Activities
NHGRI
March 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total March Income	License Cumulative Income	Inventor Awards March	Net Remaining to IC
L-091-2021/0	Chandler, Randy J.	(b) (4), (b) (6)	LogicBio Therapeutics, Inc	27-Mar-23						(b) (3) (A), (b) (4), (b) (6)
L-091-2021/0	Smith, Stephanie N.		LogicBio Therapeutics, Inc	27-Mar-23						
L-091-2021/0	Venditti, Charles P.		LogicBio Therapeutics, Inc	27-Mar-23						
L-074-2023/0	Chandler, Randy J.		Poseida Therapeutics, Inc.	27-Mar-23						
L-074-2023/0	Smith, Stephanie N.		Poseida Therapeutics, Inc.	27-Mar-23						
L-074-2023/0	Venditti, Charles P.		Poseida Therapeutics, Inc.	27-Mar-23						
					$281,119.31	$5,087.25	$286,206.56		$52,409.15	$233,797.41

NIH Patent Licensing Activities
NHLBI
October 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total October Income	License Cumulative Income	Inventor Awards October	Net Remaining to IC
L-102-2007/1	Nirenberg, (b) (6) Marshall	(b) (4),	Life Technologies Corporation	13-Oct-22					(b) (3) (A), (b) (4), (b) (6)	
L-102-2007/1	Walsh, Frank	(b) (6)	Life Technologies Corporation	13-Oct-22						
Note: L-102-2007/1 split between NHLBI; NIAID										
L-063-2015/0	Ding, Chuan-Tian		BioMarin Pharma.	20-Oct-22						
L-063-2015/0	Kotin, Robert M.		BioMarin Pharma.	20-Oct-22						
L-063-2015/0	Urabe, Masashi		BioMarin Pharma.	20-Oct-22						
L-072-2018/0	Remaley, Alan T.		Novo Nordisk A/S	24-Oct-22						
L-072-2018/0	Sviridov, Denis O.		Novo Nordisk A/S	24-Oct-22						
L-072-2018/0	Wolska, Anna		Novo Nordisk A/S	24-Oct-22						
L-212-2022/0	Finkel, Toren		Vincere Biosciences, Inc	26-Oct-22						

NIH Patent Licensing Activities
NHLBI
November 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total November Income	License Cumulative Income	Inventor Awards November	Net Remaining to IC
L-209-2017/0	Derbyshire, John Andrew	(b) (4), (b)	General Electric Co.	3-Nov-22					(b) (3) (A), (b) (4), (b) (6)	
L-209-2017/0	(b) (4)	(6)	General Electric Co.	3-Nov-22						
L-209-2017/0	McVeigh, Elliott R		General Electric Co.	3-Nov-22						
L-209-2017/0	Nezafat, Reza		General Electric Co.	3-Nov-22						
L-106-2020/0	Finkel, Toren		H. Lundbeck A/S	7-Nov-22						
L-258-2018/0	Derbyshire, John Andrew		: Siemens Healthcare GmbH	9-Nov-22						
L-258-2018/0	(b) (4)		: Siemens Healthcare GmbH	9-Nov-22						
L-258-2018/0	McVeigh, Elliott R		: Siemens Healthcare GmbH	9-Nov-22						
L-258-2018/0	Nezafat, Reza		: Siemens Healthcare GmbH	9-Nov-22						
L-181-2017/0	Ding, Chuan-Tian		Esteve Pharmcaceuticals	10-Nov-22						
L-181-2017/0	Kotin, Robert M.		Esteve Pharmcaceuticals	10-Nov-22						
L-181-2017/0	Urabe, Masashi		Esteve Pharmcaceuticals	10-Nov-22						
L-143-2007/2	Cannon, Richard O.		Hope Pharmaceuticals	15-Nov-22						
Note: L-143-2007/2 split between CC; NHLBI; NIDDK										
L-159-2007/2	Cannon, Richard O.		Hope Pharmaceuticals	15-Nov-22						
L-159-2007/2	Gladwin, Mark T.		Hope Pharmaceuticals	15-Nov-22						
L-159-2007/2	Hunter, Christian J		Hope Pharmaceuticals	15-Nov-22						
L-159-2007/2	(b) (4)		Hope Pharmaceuticals	15-Nov-22						
L-159-2007/2			Hope Pharmaceuticals	15-Nov-22						
L-159-2007/2			Hope Pharmaceuticals	15-Nov-22						
L-159-2007/2			Hope Pharmaceuticals	15-Nov-22						

Note: L-159-2007/2 split between CC; NHLBI; NIDDK; NINDS

L-127-2015/0	Leonard, Warren J.	(b) (4),	Stanford University Medical Center	16-Nov-22	(b) (3) (A), (b) (4), (b) (6)
L-127-2015/0	Mitra, Suman	(b) (6)	Stanford University Medical Center	16-Nov-22	
L-199-2016/0	Amar, Marcelo A.		STC.UNM	23-Nov-22	
L-199-2016/0	Remaley, Alan T.		STC.UNM	23-Nov-22	
Note: L-199-2016/0 split between NCI; NHLBI					
L-145-2019/0	Cannon, Richard O.		Globin Solutions, Inc	23-Nov-22	
L-145-2019/0	Gladwin, Mark T.		Globin Solutions, Inc	23-Nov-22	
L-145-2019/0	Hunter, Christian J		Globin Solutions, Inc	23-Nov-22	
L-145-2019/0	(b) (4)		Globin Solutions, Inc	23-Nov-22	
L-145-2019/0			Globin Solutions, Inc	23-Nov-22	
L-145-2019/0			Globin Solutions, Inc	23-Nov-22	
L-145-2019/0			Globin Solutions, Inc	23-Nov-22	
Note: L-145-2019/0 split between CC; NHLBI; NIDDK; NINDS					
L-124-2017/1	(b) (4)	(b) (4), (b) (6)	Generation Bio Co	28-Nov-22	
L-124-2017/1	Kotin, Robert M.		Generation Bio Co	28-Nov-22	
L-124-2017/1	Li, Lina		Generation Bio Co	28-Nov-22	
L-234-2018/0	Kotin, Robert M.		Generation Bio	28-Nov-22	
L-234-2018/0	Li, Lina		Generation Bio	28-Nov-22	

NIH Patent Licensing Activities
NHLBI
December 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total December Income	License Cumulative Income	Inventor Awards December	Net Remaining to IC
L-037-2021/0	(b) (4)	(b) (4),	Spark Therapeutics, Inc	2-Dec-22	(b) (3) (A), (b) (4), (b) (6)					
L-037-2021/0	Kotin, Robert M.	(b) (6)	Spark Therapeutics, Inc	2-Dec-22						
L-037-2021/0	Li, Lina		Spark Therapeutics, Inc	2-Dec-22						
L-243-2016/0	Boehm, Manfred		StemCell Technologies Inc.	13-Dec-22						
L-243-2016/0	Chen, Guibin		StemCell Technologies Inc.	13-Dec-22						
L-243-2016/0	Larochelle, Andre		StemCell Technologies Inc.	13-Dec-22						
Note: L-243-2016/0 split between NHLBI; NIAMS										
L-198-2021/0	Fitzhugh, Courtney		Graphite Bio, Inc.	13-Dec-22						
L-198-2021/0	Hsieh, Matthew M.		Graphite Bio, Inc.	13-Dec-22						
L-198-2021/0	Leonard, Alexis		Graphite Bio, Inc.	13-Dec-22						
L-198-2021/0	Tisdale, John		Graphite Bio, Inc.	13-Dec-22						
L-259-2002/0	Nirenberg, (b) (6) Marshall		R & D Systems, Inc.	14-Dec-22						
L-259-2002/0	Walsh, Frank		R & D Systems, Inc.	14-Dec-22						
Note: L-259-2002/0 split between NHLBI; NIAID										
L-120-2012/2	Ding, Chuan-Tian		Sangamo Biosciences	16-Dec-22						
L-120-2012/2	Kotin, Robert M.		Sangamo Biosciences	16-Dec-22						
L-120-2012/2	Urabe, Masashi		Sangamo Biosciences	16-Dec-22						

					(b) (3) (A), (b) (4), (b) (6)
L-214-2018/0	Combs, Christian A.	(b) (4), (b) (6)	Yokogawa Electric Corporation	28-Dec-22	
Note: L-214-2018/0 split between NHLBI; NIBIB					
L-039-2021/0	Hansen, Michael S.		Siemens Healthcare GmbH	28-Dec-22	
L-039-2021/0	Kellman, Peter		Siemens Healthcare GmbH	28-Dec-22	
L-039-2021/0	Xue, Hui		Siemens Healthcare GmbH	28-Dec-22	

NIH Patent Licensing Activities
NHLBI
January 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total January Income	License Cumulative Income	Inventor Awards January	Net Remaining to IC
L-029-2012/0	Derbyshire, John Andrew	(b) (4), (b) (6)	Koninklijke Philips Electronics NV	1-Jan-23						(b) (3) (A), (b) (4), (b) (6)
L-029-2012/0	(b) (4)		Koninklijke Philips Electronics NV	1-Jan-23						
L-029-2012/0	McVeigh, Elliott R		Koninklijke Philips Electronics NV	1-Jan-23						
L-029-2012/0	Nezafat, Reza		Koninklijke Philips Electronics NV	1-Jan-23						
L-246-2014/2	Nirenberg, (b) (6) Marshall		BIOLEGEND	4-Jan-23						
L-246-2014/2	Walsh, Frank		BIOLEGEND	4-Jan-23						
Note: L-246-2014/2 split between NHLBI; NIAID										
L-010-2014/0	Cecchini, Sylvain		Life Technology Corp. (BAC BV)	5-Jan-23						
L-010-2014/0	Kotin, Robert M.		Life Technology Corp. (BAC BV)	5-Jan-23						
L-010-2014/0	Smith, Richard H.		Life Technology Corp. (BAC BV)	5-Jan-23						
L-109-2021/0	Childs, Richard W.		ONK Therapeutics	12-Jan-23						
L-109-2021/0	Igarashi, Takehito		ONK Therapeutics	12-Jan-23						
L-109-2021/0	Wynberg, Jason B.		ONK Therapeutics	12-Jan-23						
L-044-2008/1	Nirenberg, (b) (6) Marshall		Miltenyi Biotec GMBH	27-Jan-23						
L-044-2008/1	Walsh, Frank		Miltenyi Biotec GMBH	27-Jan-23						
Note: L-044-2008/1 split between NHLBI; NIAID										

NIH Patent Licensing Activities
NHLBI
February 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total February Income	License Cumulative Income	Inventor Awards February	Net Remaining to IC
L-209-2017/0	Derbyshire, John Andrew	(b) (4), (b) (6)	General Electric Co.	8-Feb-23						(b) (3) (A), (b) (4), (b) (6)
L-209-2017/0	(b) (4)		General Electric Co.	8-Feb-23						
L-209-2017/0	McVeigh, Elliott R		General Electric Co.	8-Feb-23						
L-209-2017/0	Nezafat, Reza		General Electric Co.	8-Feb-23						
L-199-2018/1	(b) (4)		Solid Biosciences	10-Feb-23						
L-199-2018/1	Kotin, Robert M.		Solid Biosciences	10-Feb-23						
L-199-2018/1	Li, Lina		Solid Biosciences	10-Feb-23						
L-098-2018/3	Cherkasova, Elena A.		T-Cure Bioscience	16-Feb-23						
L-098-2018/3	Childs, Richard W.		T-Cure Bioscience	16-Feb-23						

L-098-2018/3	(b) (4)	(b) (4), (b) (6)	T-Cure Bioscience	16-Feb-23	(b) (3) (A), (b) (4), (b) (6)
L-098-2018/3	NHLBI		T-Cure Bioscience	22-Feb-23	

NIH Patent Licensing Activities
NHLBI
March 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total March Income	License Cumulative Income	Inventor Awards March	Net Remaining to IC
L-091-2023/0	Hitko, Carolyn Woodroofe	(b) (4), (b) (6)	Uereka Biosciences Inc.	1-Mar-23						(b) (3) (A), (b) (4), (b) (6)
L-091-2023/0	Lindberg, Eric Jorgen		Uereka Biosciences Inc.	1-Mar-23						
L-091-2023/0	Sabbasani, Venkatareddy		Uereka Biosciences Inc.	1-Mar-23						
L-091-2023/0	Swenson, Rolf Eric		Uereka Biosciences Inc.	1-Mar-23						
Note: L-091-2023/0 split between NCI; NHLBI										
L-228-1996/3	Adelstein, Robert		Biolegend, Inc.	2-Mar-23						
L-228-1996/3	Kelley, Christine A		Biolegend, Inc.	2-Mar-23						
L-072-2018/0	Remaley, Alan T.		Novo Nordisk A/S	2-Mar-23						
L-072-2018/0	Sviridov, Denis O.		Novo Nordisk A/S	2-Mar-23						
L-072-2018/0	Wolska, Anna		Novo Nordisk A/S	2-Mar-23						
L-102-2007/1	Nirenberg, (b) (6) Marshall		Life Technologies Corporation	21-Mar-23						
L-102-2007/1	Walsh, Frank		Life Technologies Corporation	21-Mar-23						
Note: L-102-2007/1 split between NHLBI; NIAID										
L-010-2014/0	Cecchini, Sylvain		Life Technology Corp. (BAC BV)	21-Mar-23						
L-010-2014/0	Kotin, Robert M.		Life Technology Corp. (BAC BV)	21-Mar-23						
L-010-2014/0	Smith, Richard H.		Life Technology Corp. (BAC BV)	21-Mar-23						
L-091-2023/0	NHLBI		Uereka Biosciences Inc.	21-Mar-23						
Note: L-091-2023/0 split between NCI; NHLBI										
L-258-2018/0	Derbyshire, John Andrew	(b) (4), (b) (6)	: Siemens Healthcare GmbH	27-Mar-23						
L-258-2018/0	(b) (4)		: Siemens Healthcare GmbH	27-Mar-23						
L-258-2018/0	McVeigh, Elliott R		: Siemens Healthcare GmbH	27-Mar-23						
L-258-2018/0	Nezafat, Reza		: Siemens Healthcare GmbH	27-Mar-23						
L-214-2018/0	Combs, Christian A.		Yokogawa Electric Corporation	30-Mar-23						
Note: L-214-2018/0 split between NHLBI; NIBIB										
					$1,038,460.62	$1,594.00	$1,040,054.62		$356,474.87	$683,579.75

NIH Patent Licensing Activities
NIA
October 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total October Income	License Cumulative Income	Inventor Awards October	Net Remaining to IC
L-122-2018/1	NIA		Peptron	12-Oct-22						(b) (3) (A), (b) (4), (b) (6)
L-270-2018/0	Ferrucci, Luigi	(b) (4), (b) (6)	The Regents of the University of Califor	24-Oct-22						

NIH Patent Licensing Activities
NIA
November 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total November Income	License Cumulative Income	Inventor Awards November	Net Remaining to IC
L-117-1995/2	Hodes, Richard J	(b) (4), (b) (6)	Southern Biotechnology Associates, Inc.	29-Nov-22						(b) (3) (A), (b) (4), (b) (6)

Note: L-117-1995/2 split between NCI; NIA

NIH Patent Licensing Activities
NIA
December 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total December Income	License Cumulative Income	Inventor Awards December	Net Remaining to IC
L-166-2016/0	Falco, Geppino	(b) (4), (b) (6)	Elixirgen, LLC	8-Dec-22						(b) (3) (A), (b) (4), (b) (6)
L-166-2016/0	Ko, Minoru S.		Elixirgen, LLC	8-Dec-22						
L-166-2016/0	Lee, Sung-Lim		Elixirgen, LLC	8-Dec-22						
L-166-2016/0	Monti, Manuela		Elixirgen, LLC	8-Dec-22						
L-166-2016/0	Sharova, Lioudmila V.		Elixirgen, LLC	8-Dec-22						
L-166-2016/0	Stanghellini, Ilaria		Elixirgen, LLC	8-Dec-22						
L-166-2016/0	Zalzman, Michal		Elixirgen, LLC	8-Dec-22						
L-122-2018/1	Greig, Nigel H		Peptron	27-Dec-22						
L-122-2018/1	Kim, Dong Seok		Peptron	27-Dec-22						
L-122-2018/1	Li, Yazhou		Peptron	27-Dec-22						
L-132-2017/0	Matarin Jimenez, Maria del Mar		CereDx Inc.	28-Dec-22						
L-132-2017/0	Singleton, Andrew B.		CereDx Inc.	28-Dec-22						

Note: L-132-2017/0 split between NIA; NINDS; NINR

NIH Patent Licensing Activities
NIA
January 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total January Income	License Cumulative Income	Inventor Awards January	Net Remaining to IC
L-131-2018/0	Bagrov, Alexei	(b) (4), (b) (6)	CTS Biopharma	26-Jan-23						(b) (3) (A), (b) (4), (b) (6)
L-131-2018/0	Fedorova, Olga V.		CTS Biopharma	26-Jan-23						

L-131-2018/0	Lakatta, Edward G.	(b) (4), (b) (6)	CTS Biopharma	26-Jan-23	(b) (3) (A), (b) (4), (b) (6)						

NIH Patent Licensing Activities
NIA
February 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total February Income	License Cumulative Income	Inventor Awards February	Net Remaining to IC

NIH Patent Licensing Activities
NIA
March 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total March Income	License Cumulative Income	Inventor Awards March	Net Remaining to IC
L-160-2007/0	Shin, Soojung	(b) (4), (b) (6)	Life Technologies	21-Mar-23	(b) (3) (A), (b) (4), (b) (6)					
					$61,616.26	$18,079.31	$79,695.57		$18,734.11	$60,961.46

NIH Patent Licensing Activities
NIAAA
October 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total October Income	License Cumulative Income	Inventor Awards October	Net Remaining to IC

NIH Patent Licensing Activities
NIAAA
November 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total November Income	License Cumulative Income	Inventor Awards November	Net Remaining to IC

NIH Patent Licensing Activities
NIAAA
December 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total December Income	License Cumulative Income	Inventor Awards December	Net Remaining to IC
L-162-2016/3	Cinar, Resat	(b) (4), (b) (6)	Inversago Pharma Inc.	13-Dec-22						(b) (3) (A), (b) (4), (b) (6)
L-162-2016/3	Iyer, Malliga R.		Inversago Pharma Inc.	13-Dec-22						
L-162-2016/3	Kunos, George I		Inversago Pharma Inc.	13-Dec-22						

Note: L-162-2016/3 split between NIAAA; NIDA

NIH Patent Licensing Activities
NIAAA
January 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total January Income	License Cumulative Income	Inventor Awards January	Net Remaining to IC

NIH Patent Licensing Activities
NIAAA
February 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total February Income	License Cumulative Income	Inventor Awards February	Net Remaining to IC

NIH Patent Licensing Activities
NIAAA
March 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total March Income	License Cumulative Income	Inventor Awards March	Net Remaining to IC
										(b) (3) (A), (b) (4), (b) (6)

NIH Patent Licensing Activities
NIAID
October 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total October Income	License Cumulative Income	Inventor Awards October	Net Remaining to IC
L-163-2022/0	NIAID		BioNTech SE	3-Oct-22						(b) (3) (A), (b) (4), (b) (6)
L-074-1991/3	Harriman, Gregory R.	(b) (4),	Becton, Dickson and Company	4-Oct-22						
L-074-1991/3	Kunimoto, Dennis Y.	(b) (6)	Becton, Dickson and Company	4-Oct-22						
L-074-1991/3	Paul, (b) (6) William E.		Becton, Dickson and Company	4-Oct-22						
L-074-1991/3	Strober, Warren		Becton, Dickson and Company	4-Oct-22						
L-079-1993/2	Ohara, Junichi		BD Biosciences - BD PharMingen	4-Oct-22						
L-079-1993/2	Paul, (b) (6) William E.		BD Biosciences - BD PharMingen	4-Oct-22						
L-202-2020/0	NIAID		International AIDS Vaccine Initiative, I	5-Oct-22						
L-155-2020/1	Akahata, Wataru	(b) (4), (b) (6)	Emergent Product Development Gaithersbur	6-Oct-22						
L-155-2020/1	Nabel, Gary J.		Emergent Product Development Gaithersbur	6-Oct-22						
L-155-2020/1	Rao, Srinivas		Emergent Product Development Gaithersbur	6-Oct-22						
L-155-2020/1	Sullivan, Nancy J.		Emergent Product Development Gaithersbur	6-Oct-22						
L-155-2020/1	Yang, Zhi-Yong		Emergent Product Development Gaithersbur	6-Oct-22						
Note: L-155-2020/1 split between CDC; NIAID										
L-155-2020/1	NIAID		Emergent Product Development Gaithersbur	6-Oct-22						
Note: L-155-2020/1 split between CDC; NIAID										
L-258-2019/1	Francica, Joseph Richard	(b) (4),	Vaccitech North America Inc.	7-Oct-22						
L-258-2019/1	Ishizuka, Andrew S	(b) (6)	Vaccitech North America Inc.	7-Oct-22						
L-258-2019/1	Ren, Qiuyin		Vaccitech North America Inc.	7-Oct-22						
L-258-2019/1	Zhu, Yaling		Vaccitech North America Inc.	7-Oct-22						
L-171-2022/0	Andrews, Sarah Faith		GlaxoSmithKline Biologicals SA	7-Oct-22						
L-171-2022/0	Bailer, Robert Thomas		GlaxoSmithKline Biologicals SA	7-Oct-22						
L-171-2022/0	Chuang, Gwo-Yu		GlaxoSmithKline Biologicals SA	7-Oct-22						
L-171-2022/0	Joyce, Michael G.		GlaxoSmithKline Biologicals SA	7-Oct-22						
L-171-2022/0	Kwong, Peter D.		GlaxoSmithKline Biologicals SA	7-Oct-22						
L-171-2022/0	Mascola, John R.		GlaxoSmithKline Biologicals SA	7-Oct-22						
L-171-2022/0	McDermott, Adrian B.		GlaxoSmithKline Biologicals SA	7-Oct-22						
L-171-2022/0	Thomas, Paul V.		GlaxoSmithKline Biologicals SA	7-Oct-22						
L-171-2022/0	Wheatley, Adam Kenneth		GlaxoSmithKline Biologicals SA	7-Oct-22						
L-171-2022/0	Whittle, James R R		GlaxoSmithKline Biologicals SA	7-Oct-22						
L-171-2022/0	Zhang, Yi		GlaxoSmithKline Biologicals SA	7-Oct-22						
L-078-2011/0	Mackett, Michael		CEVA Biomune	11-Oct-22						
L-078-2011/0	Moss, Bernard		CEVA Biomune	11-Oct-22						
L-078-2011/0	Smith, Geoffrey L		CEVA Biomune	11-Oct-22						
L-102-2007/1	Eisenbarth, (b) (6) George		Life Technologies Corporation	13-Oct-22						
Note: L-102-2007/1 split between NHLBI; NIAID										
L-243-2021/1	Chen, Lei		Institute for Research in Biomedicine (I	18-Oct-22						
L-243-2021/1	Kwong, Peter D.		Institute for Research in Biomedicine (I	18-Oct-22						
L-243-2021/1	Zhang, Baoshan		Institute for Research in Biomedicine (I	18-Oct-22						
L-061-2013/0	NIAID		BioFactura, Inc.	26-Oct-22						

					(b) (3) (A), (b) (4), (b) (6)
L-144-2014/1	NIAID		GlaxoSmithKline Biologicals SA	26-Oct-22	
L-158-2020/1	Abisola Abiona, Olubukola Mary	(b) (4), (b) (6)	AbCellera Biologics Inc.	26-Oct-22	
L-158-2020/1	Corbett, Kizzmekia		AbCellera Biologics Inc.	26-Oct-22	
L-158-2020/1	Graham, Barney		AbCellera Biologics Inc.	26-Oct-22	
L-158-2020/1	Kong, Wing-pui		AbCellera Biologics Inc.	26-Oct-22	
L-158-2020/1	Ledgerwood, Julie		AbCellera Biologics Inc.	26-Oct-22	
L-158-2020/1	Mascola, John R.		AbCellera Biologics Inc.	26-Oct-22	
L-158-2020/1	Shi, Wei		AbCellera Biologics Inc.	26-Oct-22	
L-158-2020/1	Wang, Lingshu		AbCellera Biologics Inc.	26-Oct-22	
L-158-2020/1	Zhang, Yi		AbCellera Biologics Inc.	26-Oct-22	

NIH Patent Licensing Activities
NIAID
November 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total November Income	License Cumulative Income	Inventor Awards November	Net Remaining to IC
										(b) (3) (A), (b) (4), (b) (6)
L-125-2022/0	Baxa, Ulrich	(b) (4), (b) (6)	ADMA Biologics, Inc.	3-Nov-22						
L-125-2022/0	Boyington, Jeffrey C.		ADMA Biologics, Inc.	3-Nov-22						
L-125-2022/0	Chen, Lei		ADMA Biologics, Inc.	3-Nov-22						
L-125-2022/0	Chen, Man		ADMA Biologics, Inc.	3-Nov-22						
L-125-2022/0	Chuang, Gwo-Yu		ADMA Biologics, Inc.	3-Nov-22						
L-125-2022/0	Druz, Aliaksandr A.		ADMA Biologics, Inc.	3-Nov-22						
L-125-2022/0	Georgiev, Ivelin S.		ADMA Biologics, Inc.	3-Nov-22						
L-125-2022/0	Gorman, Jason		ADMA Biologics, Inc.	3-Nov-22						
L-125-2022/0	Graham, Barney		ADMA Biologics, Inc.	3-Nov-22						
L-125-2022/0	Joyce, Michael G.		ADMA Biologics, Inc.	3-Nov-22						
L-125-2022/0	Kanekiyo, Masaru		ADMA Biologics, Inc.	3-Nov-22						
L-125-2022/0	Kong, Wing-pui		ADMA Biologics, Inc.	3-Nov-22						
L-125-2022/0	Kwong, Peter D.		ADMA Biologics, Inc.	3-Nov-22						
L-125-2022/0	Mascola, John R.		ADMA Biologics, Inc.	3-Nov-22						
L-125-2022/0	McLellan, Jason Scott		ADMA Biologics, Inc.	3-Nov-22						
L-125-2022/0	OFEK, GILAD A		ADMA Biologics, Inc.	3-Nov-22						
L-125-2022/0	Ou, Li		ADMA Biologics, Inc.	3-Nov-22						
L-125-2022/0	Pancera, Marie L.		ADMA Biologics, Inc.	3-Nov-22						
L-125-2022/0	Rundlet, Emily J		ADMA Biologics, Inc.	3-Nov-22						
L-125-2022/0	Sastry, Mallika		ADMA Biologics, Inc.	3-Nov-22						
L-125-2022/0	Soto, Cinque		ADMA Biologics, Inc.	3-Nov-22						
L-125-2022/0	Srivatsan, Sanjay R.		ADMA Biologics, Inc.	3-Nov-22						
L-125-2022/0	Stewart-Jones, Guillaume B. E.		ADMA Biologics, Inc.	3-Nov-22						
L-125-2022/0	Thomas, Paul V.		ADMA Biologics, Inc.	3-Nov-22						
L-125-2022/0	Tsybovsky, Yaroslav		ADMA Biologics, Inc.	3-Nov-22						
L-125-2022/0	Van Galen, Joseph		ADMA Biologics, Inc.	3-Nov-22						
L-125-2022/0	YANG, YONGPING		ADMA Biologics, Inc.	3-Nov-22						
L-125-2022/0	Zhang, Baoshan		ADMA Biologics, Inc.	3-Nov-22						
L-125-2022/0	Zhou, Tongqing		ADMA Biologics, Inc.	3-Nov-22						
L-275-2014/0	NIAID		CSL Behring (Australia)	4-Nov-22						
L-236-2016/2	Akin, Cem	(b) (4), (b) (6)	IRBM Science Park S.p.A.	9-Nov-22						
L-236-2016/2	Kirshenbaum, Arnold		IRBM Science Park S.p.A.	9-Nov-22						
L-236-2016/2	Metcalfe, Dean D		IRBM Science Park S.p.A.	9-Nov-22						
L-001-2015/2	Blaney Jr., Joseph E.		Merck Sharp & Dohme, Corp.	10-Nov-22						
L-001-2015/2	Bray, Michael		Merck Sharp & Dohme, Corp.	10-Nov-22						
L-001-2015/2	Chanock, (b) (6) Robert		Merck Sharp & Dohme, Corp.	10-Nov-22						

(b) (3) (A), (b) (4), (b) (6)

		(b) (4), (b) (6)	
L-001-2015/2	Eckels, Kenneth H	Merck Sharp & Dohme, Corp.	10-Nov-22
L-001-2015/2	Hanley, Kathryn	Merck Sharp & Dohme, Corp.	10-Nov-22
L-001-2015/2	Lai, Ching-Juh	Merck Sharp & Dohme, Corp.	10-Nov-22
L-001-2015/2	Men, Ruhe	Merck Sharp & Dohme, Corp.	10-Nov-22
L-001-2015/2	Murphy, Brian R.	Merck Sharp & Dohme, Corp.	10-Nov-22
L-001-2015/2	Pletnev, Alexander G	Merck Sharp & Dohme, Corp.	10-Nov-22
L-001-2015/2	Whitehead, Stephen S.	Merck Sharp & Dohme, Corp.	10-Nov-22
L-001-2015/2	Zhang, Yi-Ming	Merck Sharp & Dohme, Corp.	10-Nov-22
Note: L-001-2015/2 split between FDA; NIAID			
L-126-2011/1	Cheung, Yiu Chong Gordon	Emergent BioSolutions Inc.	16-Nov-22
L-126-2011/1	Gupta, Pradeep K.	Emergent BioSolutions Inc.	16-Nov-22
L-126-2011/1	Hu, Haijing	Emergent BioSolutions Inc.	16-Nov-22
L-126-2011/1	Leppla, Stephen H.	Emergent BioSolutions Inc.	16-Nov-22
L-126-2011/1	Leysath, Clinton E.	Emergent BioSolutions Inc.	16-Nov-22
L-126-2011/1	Moayeri, Mahtab	Emergent BioSolutions Inc.	16-Nov-22
L-126-2011/1	Pomerantsev, Andrei P	Emergent BioSolutions Inc.	16-Nov-22
L-202-2015/1	Akin, Cem	Genentech, Inc.	17-Nov-22
L-202-2015/1	Kirshenbaum, Arnold	Genentech, Inc.	17-Nov-22
L-202-2015/1	Metcalfe, Dean D	Genentech, Inc.	17-Nov-22
L-183-2021/0	Abisola Abiona, Olubukola Mary	Medicago Inc.	17-Nov-22
L-183-2021/0	Corbett, Kizzmekia	Medicago Inc.	17-Nov-22
L-183-2021/0	(b) (4)	Medicago Inc.	17-Nov-22
L-183-2021/0	Graham, Barney	Medicago Inc.	17-Nov-22
L-183-2021/0	Hutchinson, Geoffrey Bain	Medicago Inc.	17-Nov-22
L-183-2021/0	Joyce, Michael G.	Medicago Inc.	17-Nov-22
L-183-2021/0	Kanekiyo, Masaru	Medicago Inc.	17-Nov-22
L-183-2021/0	(b) (4)	Medicago Inc.	17-Nov-22
L-183-2021/0		Medicago Inc.	17-Nov-22
L-183-2021/0	Yassine, Hadi M.	Medicago Inc.	17-Nov-22
L-011-2023/0	Francica, Joseph Richard	ust-Evotec Biologics, Inc.	17-Nov-22
L-011-2023/0	Seder, Robert	ust-Evotec Biologics, Inc.	17-Nov-22
L-011-2023/0	Vistein, Rachel Marie	ust-Evotec Biologics, Inc.	17-Nov-22
L-011-2023/0	Wang, Lawrence Tsuchun	ust-Evotec Biologics, Inc.	17-Nov-22
L-211-2014/2	Biacchesi, Stephanie	ViraTree, LLC	18-Nov-22
L-211-2014/2	Buchholz, Ursula	ViraTree, LLC	18-Nov-22
L-211-2014/2	Bukreyev, Alexander	ViraTree, LLC	18-Nov-22
L-211-2014/2	Collins, Peter L.	ViraTree, LLC	18-Nov-22
L-211-2014/2	Luongo, Cindy L.	ViraTree, LLC	18-Nov-22
L-211-2014/2	Murphy, Brian R.	ViraTree, LLC	18-Nov-22
L-211-2014/2	Nutt, Anne S.	ViraTree, LLC	18-Nov-22
L-211-2014/2	(b) (4)	ViraTree, LLC	18-Nov-22
L-211-2014/2		ViraTree, LLC	18-Nov-22
L-211-2014/2	Skiadopoulos, Mario	ViraTree, LLC	18-Nov-22
L-147-2022/0	Akin, Cem	Cimeio Therapeutics AG	23-Nov-22
L-147-2022/0	Kirshenbaum, Arnold	Cimeio Therapeutics AG	23-Nov-22
L-147-2022/0	Metcalfe, Dean D	Cimeio Therapeutics AG	23-Nov-22
L-303-2019/2	Chuang, Gwo-Yu	TaiMed Biologics USA, Inc.	28-Nov-22
L-303-2019/2	Connors, Mark	TaiMed Biologics USA, Inc.	28-Nov-22
L-303-2019/2	Georgiev, Ivelin S.	TaiMed Biologics USA, Inc.	28-Nov-22
L-303-2019/2	Kwon, Young Do	TaiMed Biologics USA, Inc.	28-Nov-22
L-303-2019/2	Kwong, Peter D.	TaiMed Biologics USA, Inc.	28-Nov-22
L-303-2019/2	Mascola, John R.	TaiMed Biologics USA, Inc.	28-Nov-22

L-303-2019/2	Nabel, Gary J.	(b) (4),	TaiMed Biologics USA, Inc.	28-Nov-22	(b) (3) (A), (b) (4), (b) (6)
L-303-2019/2	Rudicell, Rebecca S.	(b) (6)	TaiMed Biologics USA, Inc.	28-Nov-22	
L-303-2019/2	Shi, Wei		TaiMed Biologics USA, Inc.	28-Nov-22	
L-303-2019/2	Wu, Xueling		TaiMed Biologics USA, Inc.	28-Nov-22	
L-303-2019/2	YANG, YONGPING		TaiMed Biologics USA, Inc.	28-Nov-22	
L-303-2019/2	Yang, Zhi-Yong		TaiMed Biologics USA, Inc.	28-Nov-22	
L-303-2019/2	Zhang, Baoshan		TaiMed Biologics USA, Inc.	28-Nov-22	
L-303-2019/2	Zhou, Tongqing		TaiMed Biologics USA, Inc.	28-Nov-22	
L-303-2019/2	Zhu, Jiang		TaiMed Biologics USA, Inc.	28-Nov-22	
L-120-1995/3	Shevach, Ethan M		Southern Biotechnology Associates, Inc.	29-Nov-22	
L-056-2018/2	Akin, Cem		ActivX Biosciences, Inc.	29-Nov-22	
L-056-2018/2	Kirshenbaum, Arnold		ActivX Biosciences, Inc.	29-Nov-22	
L-056-2018/2	Metcalfe, Dean D		ActivX Biosciences, Inc.	29-Nov-22	
L-208-2020/0	Gautam, Rajeev		Gilead Sciences, Inc.	29-Nov-22	
L-208-2020/0	Martin, Malcolm A		Gilead Sciences, Inc.	29-Nov-22	
L-208-2020/0	Nishimura, Yoshiaki		Gilead Sciences, Inc.	29-Nov-22	
L-208-2020/0	Sadjadpour, Reza		Gilead Sciences, Inc.	29-Nov-22	
L-208-2020/0	Shingai, Masashi		Gilead Sciences, Inc.	29-Nov-22	
L-211-2021/0	Fuerst, Thomas R.		Gilead Sciences Inc.	29-Nov-22	
L-211-2021/0	Hirsch, Vanessa M.		Gilead Sciences Inc.	29-Nov-22	
L-211-2021/0	Moss, Bernard		Gilead Sciences Inc.	29-Nov-22	

NIH Patent Licensing Activities
NIAID
December 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total December Income	License Cumulative Income	Inventor Awards December	Net Remaining to IC
L-061-2013/0	Chen, Zhao Chun	(b) (4),	ioFactura, Inc.	1-Dec-22						(b) (3) (A), (b) (4), (b) (6)
L-061-2013/0	Emerson, Suzanne U.	(b) (6)	ioFactura, Inc.	1-Dec-22						
L-061-2013/0	Moss, Bernard		ioFactura, Inc.	1-Dec-22						
L-061-2013/0	Purcell, Robert H.		ioFactura, Inc.	1-Dec-22						
L-024-2019/1	Akin, Cem		yowa Kirin Pharmaceutical Research, Inc	1-Dec-22						
L-024-2019/1	Kirshenbaum, Arnold		yowa Kirin Pharmaceutical Research, Inc	1-Dec-22						
L-024-2019/1	Metcalfe, Dean D		yowa Kirin Pharmaceutical Research, Inc	1-Dec-22						
L-065-2021/2	Lugli, Enrico		yell Immunopharma, Inc.	2-Dec-22						
L-065-2021/2	Roederer, Mario		yell Immunopharma, Inc.	2-Dec-22						
Note: L-065-2021/2 split between NCI; NIAID										
L-012-2022/0	Bennuru, Sasisekhar		rugs & Diagnostics for Tropical Disease	2-Dec-22						
L-012-2022/0	(b) (4)		rugs & Diagnostics for Tropical Disease	2-Dec-22						
L-012-2022/0	Nutman, Thomas B.		rugs & Diagnostics for Tropical Disease	2-Dec-22						
L-154-2022/0	Bennuru, Sasisekhar		ig Eye Diagnostics Inc	2-Dec-22						
L-154-2022/0	Fink, Doran		ig Eye Diagnostics Inc	2-Dec-22						
L-154-2022/0	Kubofcik, Joseph		ig Eye Diagnostics Inc	2-Dec-22						
L-154-2022/0	Nutman, Thomas B.		ig Eye Diagnostics Inc	2-Dec-22						
Note: L-154-2022/0 split between NIAID; NIDCR										
L-215-2022/0	Akin, Cem		eikagaku Corporation	5-Dec-22						
L-215-2022/0	Kirshenbaum, Arnold		eikagaku Corporation	5-Dec-22						

L-215-2022/0	Metcalfe, Dean D	(b) (4), (b) (6)	Seikagaku Corporation	5-Dec-22	(b) (3) (A), (b) (4), (b) (6)
L-298-2019/0	Connors, Mark		GlaxoSmithKline Intellectual Property Li	6-Dec-22	
L-298-2019/0	Huang, Jinghe		GlaxoSmithKline Intellectual Property Li	6-Dec-22	
L-298-2019/0	Ishida, Elise H.		GlaxoSmithKline Intellectual Property Li	6-Dec-22	
L-298-2019/0	Kang, Byong Ha		GlaxoSmithKline Intellectual Property Li	6-Dec-22	
L-298-2019/0	Kwong, Peter D.		GlaxoSmithKline Intellectual Property Li	6-Dec-22	
L-298-2019/0	Mascola, John R.		GlaxoSmithKline Intellectual Property Li	6-Dec-22	
L-298-2019/0	Zheng, Anqi		GlaxoSmithKline Intellectual Property Li	6-Dec-22	
L-298-2019/0	Zhou, Tongqing		GlaxoSmithKline Intellectual Property Li	6-Dec-22	
L-188-2020/0	NIAID		Teraimmune Inc.	6-Dec-22	
L-078-2022/0	Abisola Abiona, Olubukola Mary	(b) (4), (b) (6)	Vaxxas Pty Ltd	8-Dec-22	
L-078-2022/0	Corbett, Kizzmekia		Vaxxas Pty Ltd	8-Dec-22	
L-078-2022/0	(b) (4)		Vaxxas Pty Ltd	8-Dec-22	
L-078-2022/0	Graham, Barney		Vaxxas Pty Ltd	8-Dec-22	
L-078-2022/0	Hutchinson, Geoffrey Bain		Vaxxas Pty Ltd	8-Dec-22	
L-078-2022/0	Joyce, Michael G.		Vaxxas Pty Ltd	8-Dec-22	
L-078-2022/0	Kanekiyo, Masaru		Vaxxas Pty Ltd	8-Dec-22	
L-078-2022/0	(b) (4)		Vaxxas Pty Ltd	8-Dec-22	
L-078-2022/0			Vaxxas Pty Ltd	8-Dec-22	
L-078-2022/0	Yassine, Hadi M.		Vaxxas Pty Ltd	8-Dec-22	
L-022-2020/0	Boyoglu-Barnum, Seyhan		University of Washington	9-Dec-22	
L-022-2020/0	Gillespie, Rebecca Aileen		University of Washington	9-Dec-22	
L-022-2020/0	Graham, Barney		University of Washington	9-Dec-22	
L-022-2020/0	Kanekiyo, Masaru		University of Washington	9-Dec-22	
L-205-2020/0	Collins, Peter L.		Vir Biotechnology, Inc	9-Dec-22	
L-205-2020/0	(b) (4)		Vir Biotechnology, Inc	9-Dec-22	
L-142-2007/2	Mackett, Michael		Transgene S.A.	12-Dec-22	
L-142-2007/2	Moss, Bernard		Transgene S.A.	12-Dec-22	
L-142-2007/2	Smith, Geoffrey L		Transgene S.A.	12-Dec-22	
L-203-2020/0	Blaney Jr., Joseph E.		Janssen Pharmaceutica, N.V.	12-Dec-22	
L-203-2020/0	Hanley, Kathryn		Janssen Pharmaceutica, N.V.	12-Dec-22	
L-203-2020/0	Lai, Ching-Juh		Janssen Pharmaceutica, N.V.	12-Dec-22	
L-203-2020/0	Murphy, Brian R.		Janssen Pharmaceutica, N.V.	12-Dec-22	
L-203-2020/0	Whitehead, Stephen S.		Janssen Pharmaceutica, N.V.	12-Dec-22	
Note: L-203-2020/0 split between FDA; NIAID					
L-126-2022/0	Akin, Cem		ImmuneID	12-Dec-22	
L-126-2022/0	Kirshenbaum, Arnold		ImmuneID	12-Dec-22	
L-126-2022/0	Metcalfe, Dean D		ImmuneID	12-Dec-22	
L-138-2016/1	Biacchesi, Stephanie		Merck Sharp & Dohme Corp.	13-Dec-22	
L-138-2016/1	Buchholz, Ursula		Merck Sharp & Dohme Corp.	13-Dec-22	
L-138-2016/1	Collins, Peter L.		Merck Sharp & Dohme Corp.	13-Dec-22	
L-190-2020/0	Abisola Abiona, Olubukola Mary		Meso Scale Diagnostics, LLC	13-Dec-22	
L-190-2020/0	Boyington, Jeffrey C.		Meso Scale Diagnostics, LLC	13-Dec-22	
L-190-2020/0	Chen, Lei		Meso Scale Diagnostics, LLC	13-Dec-22	
L-190-2020/0	Chen, Man		Meso Scale Diagnostics, LLC	13-Dec-22	
L-190-2020/0	Chuang, Gwo-Yu		Meso Scale Diagnostics, LLC	13-Dec-22	
L-190-2020/0	Corbett, Kizzmekia		Meso Scale Diagnostics, LLC	13-Dec-22	
L-190-2020/0	(b) (4)		Meso Scale Diagnostics, LLC	13-Dec-22	
L-190-2020/0	Georgiev, Ivelin S.		Meso Scale Diagnostics, LLC	13-Dec-22	

(b) (3) (A), (b) (4), (b) (6)

L-190-2020/0	Gorman, Jason	(b) (4), (b) (6)	Meso Scale Diagnostics, LLC	13-Dec-22
L-190-2020/0	Graham, Barney		Meso Scale Diagnostics, LLC	13-Dec-22
L-190-2020/0	Hutchinson, Geoffrey Bain		Meso Scale Diagnostics, LLC	13-Dec-22
L-190-2020/0	Joyce, Michael G.		Meso Scale Diagnostics, LLC	13-Dec-22
L-190-2020/0	Kanekiyo, Masaru		Meso Scale Diagnostics, LLC	13-Dec-22
L-190-2020/0	Kwong, Peter D.		Meso Scale Diagnostics, LLC	13-Dec-22
L-190-2020/0	McLellan, Jason Scott		Meso Scale Diagnostics, LLC	13-Dec-22
L-190-2020/0	OFEK, GILAD A		Meso Scale Diagnostics, LLC	13-Dec-22
L-190-2020/0	Pancera, Marie L.		Meso Scale Diagnostics, LLC	13-Dec-22
L-190-2020/0	Sastry, Mallika		Meso Scale Diagnostics, LLC	13-Dec-22
L-190-2020/0	Soto, Cinque		Meso Scale Diagnostics, LLC	13-Dec-22
L-190-2020/0	Srivatsan, Sanjay R.		Meso Scale Diagnostics, LLC	13-Dec-22
L-190-2020/0	Stewart-Jones, Guillaume B. E.		Meso Scale Diagnostics, LLC	13-Dec-22
L-190-2020/0	(b) (4)		Meso Scale Diagnostics, LLC	13-Dec-22
L-190-2020/0			Meso Scale Diagnostics, LLC	13-Dec-22
L-190-2020/0	YANG, YONGPING		Meso Scale Diagnostics, LLC	13-Dec-22
L-190-2020/0	Yassine, Hadi M.		Meso Scale Diagnostics, LLC	13-Dec-22
L-190-2020/0	Zhang, Baoshan		Meso Scale Diagnostics, LLC	13-Dec-22
L-190-2020/0	Zhou, Tongqing		Meso Scale Diagnostics, LLC	13-Dec-22
L-259-2002/0	Eisenbarth, (b) (6) George		R & D Systems, Inc.	14-Dec-22
Note: L-259-2002/0 split between NHLBI; NIAID				
L-009-2023/0	Akin, Cem		Human Immunology Biosciences, Inc.	14-Dec-22
L-009-2023/0	Kirshenbaum, Arnold		Human Immunology Biosciences, Inc.	14-Dec-22
L-009-2023/0	Metcalfe, Dean D		Human Immunology Biosciences, Inc.	14-Dec-22
L-190-2005/2	Bennink, Jack R.		GeoVax, Inc.	15-Dec-22
L-190-2005/2	Broder, Christopher		GeoVax, Inc.	15-Dec-22
L-190-2005/2	Chesebro, Bruce		GeoVax, Inc.	15-Dec-22
L-190-2005/2	Cox, Josephine H		GeoVax, Inc.	15-Dec-22
L-190-2005/2	Doms, Robert W.		GeoVax, Inc.	15-Dec-22
L-190-2005/2	Earl, Patricia L.		GeoVax, Inc.	15-Dec-22
L-190-2005/2	Moss, Bernard		GeoVax, Inc.	15-Dec-22
L-190-2005/2	Wehrly, Kathryn		GeoVax, Inc.	15-Dec-22
L-190-2005/2	Yewdell, Jonathan W.		GeoVax, Inc.	15-Dec-22
Note: L-190-2005/2 split between NCI; NIAID				
L-226-2014/2	Nutman, Thomas B.		Quest Distribution Inc.	15-Dec-22
L-034-2020/0	Mackett, Michael		Helocyte, Inc	15-Dec-22
L-034-2020/0	Moss, Bernard		Helocyte, Inc	15-Dec-22
L-034-2020/0	Smith, Geoffrey L		Helocyte, Inc	15-Dec-22
L-243-2020/0	Earl, Patricia L.		GeoVax, Inc.	15-Dec-22
L-243-2020/0	Mackett, Michael		GeoVax, Inc.	15-Dec-22
L-243-2020/0	Moss, Bernard		GeoVax, Inc.	15-Dec-22
L-243-2020/0	Smith, Geoffrey L		GeoVax, Inc.	15-Dec-22
L-243-2020/0	Wyatt, Linda S.		GeoVax, Inc.	15-Dec-22
L-257-2020/0	Abisola Abiona, Olubukola Mary		GeoVax, Inc.	15-Dec-22
L-257-2020/0	Corbett, Kizzmekia		GeoVax, Inc.	15-Dec-22
L-257-2020/0	(b) (4)		GeoVax, Inc.	15-Dec-22
L-257-2020/0	Earl, Patricia L.		GeoVax, Inc.	15-Dec-22
L-257-2020/0	Graham, Barney		GeoVax, Inc.	15-Dec-22
L-257-2020/0	Hutchinson, Geoffrey Bain		GeoVax, Inc.	15-Dec-22
L-257-2020/0	Joyce, Michael G.		GeoVax, Inc.	15-Dec-22
L-257-2020/0	Kanekiyo, Masaru		GeoVax, Inc.	15-Dec-22
L-257-2020/0	Mackett, Michael		GeoVax, Inc.	15-Dec-22

(b) (3) (A), (b) (4), (b) (6)

L-257-2020/0	Moss, Bernard	(b) (4), (b) (6)	GeoVax, Inc.	15-Dec-22
L-257-2020/0	Smith, Geoffrey L		GeoVax, Inc.	15-Dec-22
L-257-2020/0	(b) (4)		GeoVax, Inc.	15-Dec-22
L-257-2020/0			GeoVax, Inc.	15-Dec-22
L-257-2020/0	Wyatt, Linda S.		GeoVax, Inc.	15-Dec-22
L-257-2020/0	Yassine, Hadi M.		GeoVax, Inc.	15-Dec-22
L-144-2014/1	Baxa, Ulrich		GlaxoSmithKline Biologicals SA	16-Dec-22
L-144-2014/1	Boyington, Jeffrey C.		GlaxoSmithKline Biologicals SA	16-Dec-22
L-144-2014/1	Chen, Lei		GlaxoSmithKline Biologicals SA	16-Dec-22
L-144-2014/1	Chen, Man		GlaxoSmithKline Biologicals SA	16-Dec-22
L-144-2014/1	Chuang, Gwo-Yu		GlaxoSmithKline Biologicals SA	16-Dec-22
L-144-2014/1	Druz, Aliaksandr A.		GlaxoSmithKline Biologicals SA	16-Dec-22
L-144-2014/1	Georgiev, Ivelin S.		GlaxoSmithKline Biologicals SA	16-Dec-22
L-144-2014/1	Gorman, Jason		GlaxoSmithKline Biologicals SA	16-Dec-22
L-144-2014/1	Graham, Barney		GlaxoSmithKline Biologicals SA	16-Dec-22
L-144-2014/1	Joyce, Michael G.		GlaxoSmithKline Biologicals SA	16-Dec-22
L-144-2014/1	Kanekiyo, Masaru		GlaxoSmithKline Biologicals SA	16-Dec-22
L-144-2014/1	Kong, Wing-pui		GlaxoSmithKline Biologicals SA	16-Dec-22
L-144-2014/1	Kwong, Peter D.		GlaxoSmithKline Biologicals SA	16-Dec-22
L-144-2014/1	Mascola, John R.		GlaxoSmithKline Biologicals SA	16-Dec-22
L-144-2014/1	McLellan, Jason Scott		GlaxoSmithKline Biologicals SA	16-Dec-22
L-144-2014/1	OFEK, GILAD A		GlaxoSmithKline Biologicals SA	16-Dec-22
L-144-2014/1	Ou, Li		GlaxoSmithKline Biologicals SA	16-Dec-22
L-144-2014/1	Pancera, Marie L.		GlaxoSmithKline Biologicals SA	16-Dec-22
L-144-2014/1	Rundlet, Emily J		GlaxoSmithKline Biologicals SA	16-Dec-22
L-144-2014/1	Sastry, Mallika		GlaxoSmithKline Biologicals SA	16-Dec-22
L-144-2014/1	Soto, Cinque		GlaxoSmithKline Biologicals SA	16-Dec-22
L-144-2014/1	Srivatsan, Sanjay R.		GlaxoSmithKline Biologicals SA	16-Dec-22
L-144-2014/1	Stewart-Jones, Guillaume B. E.		GlaxoSmithKline Biologicals SA	16-Dec-22
L-144-2014/1	Thomas, Paul V.		GlaxoSmithKline Biologicals SA	16-Dec-22
L-144-2014/1	Tsybovsky, Yaroslav		GlaxoSmithKline Biologicals SA	16-Dec-22
L-144-2014/1	Van Galen, Joseph		GlaxoSmithKline Biologicals SA	16-Dec-22
L-144-2014/1	YANG, YONGPING		GlaxoSmithKline Biologicals SA	16-Dec-22
L-144-2014/1	Zhang, Baoshan		GlaxoSmithKline Biologicals SA	16-Dec-22
L-144-2014/1	Zhou, Tongqing		GlaxoSmithKline Biologicals SA	16-Dec-22
L-166-2005/1	NIAID		Bharat Biotech Ltd	19-Dec-22
L-262-2020/0	Abisola Abiona, Olubukola Mary	(b) (4), (b) (6)	Sanofi Pasteur	19-Dec-22
L-262-2020/0	Corbett, Kizzmekia		Sanofi Pasteur	19-Dec-22
L-262-2020/0	(b) (4)		Sanofi Pasteur	19-Dec-22
L-262-2020/0	Graham, Barney		Sanofi Pasteur	19-Dec-22
L-262-2020/0	Hutchinson, Geoffrey Bain		Sanofi Pasteur	19-Dec-22
L-262-2020/0	Joyce, Michael G.		Sanofi Pasteur	19-Dec-22
L-262-2020/0	Kanekiyo, Masaru		Sanofi Pasteur	19-Dec-22
L-262-2020/0	Kong, Wing-pui		Sanofi Pasteur	19-Dec-22
L-262-2020/0	Mascola, John R.		Sanofi Pasteur	19-Dec-22
L-262-2020/0	(b) (4)		Sanofi Pasteur	19-Dec-22
L-262-2020/0			Sanofi Pasteur	19-Dec-22
L-262-2020/0	Wang, Lingshu		Sanofi Pasteur	19-Dec-22
L-262-2020/0	Yassine, Hadi M.		Sanofi Pasteur	19-Dec-22
L-033-2021/0	Abisola Abiona, Olubukola Mary		ACROBiosystems Inc.	19-Dec-22
L-033-2021/0	Corbett, Kizzmekia		ACROBiosystems Inc.	19-Dec-22
L-033-2021/0	(b) (4)		ACROBiosystems Inc.	19-Dec-22
L-033-2021/0	Graham, Barney		ACROBiosystems Inc.	19-Dec-22
L-033-2021/0	Hutchinson, Geoffrey Bain		ACROBiosystems Inc.	19-Dec-22
L-033-2021/0	Joyce, Michael G.		ACROBiosystems Inc.	19-Dec-22

(b) (3) (A), (b) (4), (b) (6)

L-033-2021/0	Kanekiyo, Masaru	ACROBiosystems Inc.	19-Dec-22
L-033-2021/0	(b) (4)	ACROBiosystems Inc.	19-Dec-22
L-033-2021/0		ACROBiosystems Inc.	19-Dec-22
L-033-2021/0	Yassine, Hadi M.	ACROBiosystems Inc.	19-Dec-22
L-170-1998/2	Conrad, John T.	R-Biopharm AG	20-Dec-22
L-170-1998/2	Lujan, Hugo D	R-Biopharm AG	20-Dec-22
L-170-1998/2	Mowatt, Michael	R-Biopharm AG	20-Dec-22
L-170-1998/2	Nash, Theodore	R-Biopharm AG	20-Dec-22
L-080-2004/1	Green, Lisbeth Kim	R-Biopharm AG	20-Dec-22
L-080-2004/1	Sosnovtsev, Stanislav V	R-Biopharm AG	20-Dec-22
L-253-2015/0	Chanock, (b) (6) Robert	Sun Biotech Pte., Ltd.	20-Dec-22
L-253-2015/0	Hoshino, Yasutaka	Sun Biotech Pte., Ltd.	20-Dec-22
L-253-2015/0	Kapikian, (b) (6) Albert Z	Sun Biotech Pte., Ltd.	20-Dec-22
L-149-2021/0	Ohara, Junichi	Proteintech Group Inc.	20-Dec-22
L-149-2021/0	Paul, (b) (6) William E.	Proteintech Group Inc.	20-Dec-22
L-001-2015/2	NIAID	Merck Sharp & Dohme, Corp.	22-Dec-22
Note: L-001-2015/2 split between FDA; NIAID			
L-059-2021/0	Akahata, Wataru	BIOMERIEUX S. A.	22-Dec-22
L-059-2021/0	Nabel, Gary J.	BIOMERIEUX S. A.	22-Dec-22
L-059-2021/0	Rao, Srinivas	BIOMERIEUX S. A.	22-Dec-22
L-011-2022/0	Akin, Cem	Arcus Biosciences	22-Dec-22
L-011-2022/0	Kirshenbaum, Arnold	Arcus Biosciences	22-Dec-22
L-011-2022/0	Metcalfe, Dean D	Arcus Biosciences	22-Dec-22
L-152-2019/1	Akin, Cem	Celltrion, Inc.	23-Dec-22
L-152-2019/1	Kirshenbaum, Arnold	Celltrion, Inc.	23-Dec-22
L-152-2019/1	Metcalfe, Dean D	Celltrion, Inc.	23-Dec-22
L-123-2022/0	Akin, Cem	Santa Ana Bio, Inc.	23-Dec-22
L-123-2022/0	Kirshenbaum, Arnold	Santa Ana Bio, Inc.	23-Dec-22
L-123-2022/0	Metcalfe, Dean D	Santa Ana Bio, Inc.	23-Dec-22
L-116-2018/0	NIAID	Katholieke	27-Dec-22
L-200-2019/0	NIAID	Octapharma Biopharmaceuticals GmbH	27-Dec-22
L-150-2020/0	Abisola Abiona, Olubukola Mary	Medigen Vaccine Biologics Corp	27-Dec-22
L-150-2020/0	Corbett, Kizzmekia	Medigen Vaccine Biologics Corp	27-Dec-22
L-150-2020/0	(b) (4)	Medigen Vaccine Biologics Corp	27-Dec-22
L-150-2020/0	Graham, Barney	Medigen Vaccine Biologics Corp	27-Dec-22
L-150-2020/0	Hutchinson, Geoffrey Bain	Medigen Vaccine Biologics Corp	27-Dec-22
L-150-2020/0	Joyce, Michael G.	Medigen Vaccine Biologics Corp	27-Dec-22
L-150-2020/0	Kanekiyo, Masaru	Medigen Vaccine Biologics Corp	27-Dec-22
L-150-2020/0	Kong, Wing-pui	Medigen Vaccine Biologics Corp	27-Dec-22
L-150-2020/0	Mascola, John R.	Medigen Vaccine Biologics Corp	27-Dec-22
L-150-2020/0	(b) (4)	Medigen Vaccine Biologics Corp	27-Dec-22
L-150-2020/0		Medigen Vaccine Biologics Corp	27-Dec-22
L-150-2020/0	Wang, Lingshu	Medigen Vaccine Biologics Corp	27-Dec-22
L-150-2020/0	Yassine, Hadi M.	Medigen Vaccine Biologics Corp	27-Dec-22
L-200-2005/6	Chanock, (b) (6) Robert	Wuhan Institute of Bio. Prod.	28-Dec-22
L-200-2005/6	Hoshino, Yasutaka	Wuhan Institute of Bio. Prod.	28-Dec-22

(b) (4), (b) (6)

L-200-2005/6	Kapikian, (b) (6) Albert Z	(b) (4), (b) (6)	Wuhan Institute of Bio. Prod.	28-Dec-22	(b) (3) (A), (b) (4), (b) (6)
L-173-2021/0	Germain, Ronald N.		Becton, Dickinson and Company	28-Dec-22	
L-173-2021/0	Porgador, Angel		Becton, Dickinson and Company	28-Dec-22	
L-129-2022/0	Akin, Cem		Severn Therapeutics, LLC	28-Dec-22	
L-129-2022/0	Kirshenbaum, Arnold		Severn Therapeutics, LLC	28-Dec-22	
L-129-2022/0	Metcalfe, Dean D		Severn Therapeutics, LLC	28-Dec-22	
L-049-2023/0	Corbett, Kizzmekia		Moderna TX, Inc.	28-Dec-22	
L-049-2023/0	(b) (4)		Moderna TX, Inc.	28-Dec-22	
L-049-2023/0	Graham, Barney		Moderna TX, Inc.	28-Dec-22	
L-049-2023/0	Joyce, Michael G.		Moderna TX, Inc.	28-Dec-22	
L-049-2023/0	Kanekiyo, Masaru		Moderna TX, Inc.	28-Dec-22	
L-049-2023/0	(b) (4)		Moderna TX, Inc.	28-Dec-22	
L-049-2023/0	Yassine, Hadi M.		Moderna TX, Inc.	28-Dec-22	
L-115-2000/2	Cheung, Yiu Chong Gordon		List Biological Laboratories, Inc.	30-Dec-22	
L-115-2000/2	Gupta, Pradeep K.		List Biological Laboratories, Inc.	30-Dec-22	
L-115-2000/2	Hsu, Su-Cheng Dana		List Biological Laboratories, Inc.	30-Dec-22	
L-115-2000/2	Hu, Haijing		List Biological Laboratories, Inc.	30-Dec-22	
L-115-2000/2	Leppla, Stephen H.		List Biological Laboratories, Inc.	30-Dec-22	
L-115-2000/2	Leysath, Clinton E.		List Biological Laboratories, Inc.	30-Dec-22	
L-115-2000/2	Moayeri, Mahtab		List Biological Laboratories, Inc.	30-Dec-22	
L-115-2000/2	Pomerantsev, Andrei P		List Biological Laboratories, Inc.	30-Dec-22	
Note: L-115-2000/2 split between NIAID; NIDCR					
L-028-2019/3	(b) (4)		Ridgeback Biotherapeutics	30-Dec-22	
L-028-2019/3			Ridgeback Biotherapeutics	30-Dec-22	
L-028-2019/3	Ledgerwood, Julie		Ridgeback Biotherapeutics	30-Dec-22	
L-028-2019/3	Mulangu, Sabue		Ridgeback Biotherapeutics	30-Dec-22	
L-028-2019/3	Muyembe, Jean-Jacques Tamfum		Ridgeback Biotherapeutics	30-Dec-22	
L-028-2019/3	Stanley, Daphne Amanda		Ridgeback Biotherapeutics	30-Dec-22	
L-028-2019/3	Sullivan, Nancy J.		Ridgeback Biotherapeutics	30-Dec-22	
L-028-2019/3	United States Army		Ridgeback Biotherapeutics	30-Dec-22	

NIH Patent Licensing Activities
NIAID
January 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total January Income	License Cumulative Income	Inventor Awards January	Net Remaining to IC
L-197-2005/6	Chanock, (b) (6) Robert	(b) (4), (b) (6)	Serum Institute of India PVT. LTD	3-Jan-23						(b) (3) (A), (b) (4), (b) (6)
L-197-2005/6	Hoshino, Yasutaka		Serum Institute of India PVT. LTD	3-Jan-23						
L-197-2005/6	Kapikian, (b) (6) Albert Z		Serum Institute of India PVT. LTD	3-Jan-23						
L-036-2006/0	NIAID		Hawaii Biotechnology Group, Inc.	3-Jan-23						
L-207-2013/4	Cheng, Cheng	(b) (4), (b) (6)	Hookipa Biotech, AG	3-Jan-23						
L-207-2013/4	Mangalampalli, Venkata R.		Hookipa Biotech, AG	3-Jan-23						
L-207-2013/4	Merritt, Joshua S.		Hookipa Biotech, AG	3-Jan-23						
L-207-2013/4	Schwartz, Richard M.		Hookipa Biotech, AG	3-Jan-23						
L-207-2013/4	Wycuff, Diane L.		Hookipa Biotech, AG	3-Jan-23						
L-149-2015/1	Blaney Jr., Joseph E.		Serum Institute of India Ltd.	3-Jan-23						
L-149-2015/1	Hanley, Kathryn		Serum Institute of India Ltd.	3-Jan-23						
L-149-2015/1	Lai, Ching-Juh		Serum Institute of India Ltd.	3-Jan-23						

(b) (3) (A), (b) (4), (b) (6)

L-149-2015/1	Murphy, Brian R.	(b) (4),	Serum Institute of India Ltd.	3-Jan-23
L-149-2015/1	Whitehead, Stephen S.	(b) (6)	Serum Institute of India Ltd.	3-Jan-23
Note: L-149-2015/1 split between FDA; NIAID				
L-015-2021/0	Abisola Abiona, Olubukola Mary		ExcellGene SA	3-Jan-23
L-015-2021/0	(b) (4)		ExcellGene SA	3-Jan-23
L-015-2021/0	Hutchinson, Geoffrey Bain		ExcellGene SA	3-Jan-23
L-015-2021/0	(b) (4)		ExcellGene SA	3-Jan-23
L-015-2021/0			ExcellGene SA	3-Jan-23
L-074-1991/3	Harriman, Gregory R.		Becton, Dickson and Company	4-Jan-23
L-074-1991/3	Kunimoto, Dennis Y.		Becton, Dickson and Company	4-Jan-23
L-074-1991/3	Paul, (b) (6) William E.		Becton, Dickson and Company	4-Jan-23
L-074-1991/3	Strober, Warren		Becton, Dickson and Company	4-Jan-23
L-079-1993/2	Ohara, Junichi		BD Biosciences - BD PharMingen	4-Jan-23
L-079-1993/2	Paul, (b) (6) William E.		BD Biosciences - BD PharMingen	4-Jan-23
L-005-2003/1	Ohara, Junichi		Biolegend Inc	4-Jan-23
L-005-2003/1	Paul, (b) (6) William E.		Biolegend Inc	4-Jan-23
L-011-2008/2	Shevach, Ethan M		BioLegend	4-Jan-23
L-162-2008/2	Sun, Peter D		Biolegend, Inc	4-Jan-23
L-162-2008/2	Zou, Zhongcheng		Biolegend, Inc	4-Jan-23
L-072-2009/1	Long, Eric O.		BioLegend	4-Jan-23
L-072-2009/1	Rajagopalan, Sumati		BioLegend	4-Jan-23
L-071-2010/1	DeVico, Angela M.		BioLegend	4-Jan-23
L-071-2010/1	Korty, Patricia E.		BioLegend	4-Jan-23
L-071-2010/1	Shevach, Ethan M		BioLegend	4-Jan-23
L-003-2011/0	Germain, Ronald N.		Biolegend	4-Jan-23
L-003-2011/0	Porgador, Angel		Biolegend	4-Jan-23
L-069-2014/0	Mchugh, Rebecca S		BioLegend	4-Jan-23
L-069-2014/0	Shevach, Ethan M		BioLegend	4-Jan-23
L-069-2014/0	Stephens, Geoffrey L.		BioLegend	4-Jan-23
L-246-2014/2	Eisenbarth, (b) (6) George		BIOLEGEND	4-Jan-23
Note: L-246-2014/2 split between NHLBI; NIAID				
L-110-2017/0	Shevach, Ethan M		BioLegend Inc.	4-Jan-23
L-155-2018/2	Baxa, Ulrich		Icosavax	4-Jan-23
L-155-2018/2	Boyington, Jeffrey C.		Icosavax	4-Jan-23
L-155-2018/2	Buchholz, Ursula		Icosavax	4-Jan-23
L-155-2018/2	Chen, Lei		Icosavax	4-Jan-23
L-155-2018/2	Chen, Man		Icosavax	4-Jan-23
L-155-2018/2	Chuang, Gwo-Yu		Icosavax	4-Jan-23
L-155-2018/2	Collins, Peter L.		Icosavax	4-Jan-23
L-155-2018/2	Druz, Aliaksandr A.		Icosavax	4-Jan-23
L-155-2018/2	Georgiev, Ivelin S.		Icosavax	4-Jan-23
L-155-2018/2	Gorman, Jason		Icosavax	4-Jan-23
L-155-2018/2	Kong, Wing-pui		Icosavax	4-Jan-23
L-155-2018/2	Kwong, Peter D.		Icosavax	4-Jan-23
L-155-2018/2	Mascola, John R.		Icosavax	4-Jan-23
L-155-2018/2	McLellan, Jason Scott		Icosavax	4-Jan-23

(b) (3) (A), (b) (4), (b) (6)

L-155-2018/2	OFEK, GILAD A	(b) (4), (b) (6)	Icosavax	4-Jan-23
L-155-2018/2	Ou, Li		Icosavax	4-Jan-23
L-155-2018/2	Pancera, Marie L.		Icosavax	4-Jan-23
L-155-2018/2	Rundlet, Emily J		Icosavax	4-Jan-23
L-155-2018/2	Sastry, Mallika		Icosavax	4-Jan-23
L-155-2018/2	Soto, Cinque		Icosavax	4-Jan-23
L-155-2018/2	Srivatsan, Sanjay R.		Icosavax	4-Jan-23
L-155-2018/2	Stewart-Jones, Guillaume B. E.		Icosavax	4-Jan-23
L-155-2018/2	Thomas, Paul V.		Icosavax	4-Jan-23
L-155-2018/2	Tsybovsky, Yaroslav		Icosavax	4-Jan-23
L-155-2018/2	Van Galen, Joseph		Icosavax	4-Jan-23
L-155-2018/2	(b) (4)		Icosavax	4-Jan-23
L-155-2018/2	YANG, YONGPING		Icosavax	4-Jan-23
L-155-2018/2	Zhang, Baoshan		Icosavax	4-Jan-23
L-155-2018/2	Zhou, Tongqing		Icosavax	4-Jan-23
L-155-2018/2	NIAID		Icosavax	4-Jan-23
L-016-2021/0	David, Alexandre	(b) (4), (b) (6)	Biolegend, Inc	4-Jan-23
L-016-2021/0	Yewdell, Jonathan W.		Biolegend, Inc	4-Jan-23
L-245-2021/0	Akin, Cem		Bayer AG	4-Jan-23
L-245-2021/0	Kirshenbaum, Arnold		Bayer AG	4-Jan-23
L-245-2021/0	Metcalfe, Dean D		Bayer AG	4-Jan-23
L-049-2000/1	Shevach, Ethan M		eBioscience, Inc..	5-Jan-23
Note: L-049-2000/1 split between NCI; NIAID				
L-106-2006/1	Shevach, Ethan M		Affymetrix, Inc.	5-Jan-23
L-047-2020/0	Morse III, Herbert		Genentech, Inc.	5-Jan-23
L-246-2020/0	Ohara, Junichi		Leinco Technologies, Inc.	5-Jan-23
L-246-2020/0	Paul, (b) (6) William E.		Leinco Technologies, Inc.	5-Jan-23
L-040-2022/0	NIAID		Creative Biolabs, Inc.	6-Jan-23
L-084-2002/1	Shevach, Ethan M	(b) (4), (b) (6)	Miltenyi Biotec GMBH	9-Jan-23
L-217-2016/0	Blaney Jr., Joseph E.		Indian Immunologicals Ltd	9-Jan-23
L-217-2016/0	Hanley, Kathryn		Indian Immunologicals Ltd	9-Jan-23
L-217-2016/0	Lai, Ching-Juh		Indian Immunologicals Ltd	9-Jan-23
L-217-2016/0	Murphy, Brian R.		Indian Immunologicals Ltd	9-Jan-23
L-217-2016/0	Whitehead, Stephen S.		Indian Immunologicals Ltd	9-Jan-23
Note: L-217-2016/0 split between FDA; NIAID				
L-221-2016/2	Bermingham, Alison		Sanofi Pasteur	9-Jan-23
L-221-2016/2	Buchholz, Ursula		Sanofi Pasteur	9-Jan-23
L-221-2016/2	Collins, Peter L.		Sanofi Pasteur	9-Jan-23
L-221-2016/2	Kwong, Peter D.		Sanofi Pasteur	9-Jan-23
L-221-2016/2	Liang, Bo		Sanofi Pasteur	9-Jan-23
L-221-2016/2	Luongo, Cindy L.		Sanofi Pasteur	9-Jan-23
L-221-2016/2	McCarty, Thomas Charles		Sanofi Pasteur	9-Jan-23
L-221-2016/2	McLellan, Jason Scott		Sanofi Pasteur	9-Jan-23
L-221-2016/2	Munir, Shirin		Sanofi Pasteur	9-Jan-23
L-221-2016/2	Murphy, Brian R.		Sanofi Pasteur	9-Jan-23
L-221-2016/2	Nutt, Anne S.		Sanofi Pasteur	9-Jan-23
L-188-2018/0	Cohen, Jeffrey I.		Indian Immunologicals Limited	9-Jan-23

L-188-2018/0	Pesnicak, Lesley M	(b) (4), (b) (6)	ndian Immunologicals Limited	9-Jan-23
L-251-2020/0	Abisola Abiona, Olubukola Mary		Remel Europe Limited	11-Jan-23
L-251-2020/0	(b) (4)		Remel Europe Limited	11-Jan-23
L-251-2020/0	Hutchinson, Geoffrey Bain		Remel Europe Limited	11-Jan-23
L-251-2020/0	(b) (4)		Remel Europe Limited	11-Jan-23
L-251-2020/0			Remel Europe Limited	11-Jan-23
L-251-2020/0	Abisola Abiona, Olubukola Mary		Remel Europe Limited	11-Jan-23
L-251-2020/0	(b) (4)		Remel Europe Limited	11-Jan-23
L-251-2020/0	Hutchinson, Geoffrey Bain		Remel Europe Limited	11-Jan-23
L-251-2020/0	(b) (4)		Remel Europe Limited	11-Jan-23
L-251-2020/0			Remel Europe Limited	11-Jan-23
L-183-2021/0	Abisola Abiona, Olubukola Mary		Medicago Inc.	11-Jan-23
L-183-2021/0	(b) (4)		Medicago Inc.	11-Jan-23
L-183-2021/0	Hutchinson, Geoffrey Bain		Medicago Inc.	11-Jan-23
L-183-2021/0	(b) (4)		Medicago Inc.	11-Jan-23
L-183-2021/0			Medicago Inc.	11-Jan-23
L-245-1994/1	Folks, Thomas M		SearCare Life Sciences	12-Jan-23
L-245-1994/1	Martin, Malcolm A		SearCare Life Sciences	12-Jan-23
L-245-1994/1	Powell, Douglas M		SearCare Life Sciences	12-Jan-23
Note: L-245-1994/1 split between NCI; NIAID				
L-121-2020/0	Abisola Abiona, Olubukola Mary		Noachis Terra Inc	12-Jan-23
L-121-2020/0	(b) (4)		Noachis Terra Inc	12-Jan-23
L-121-2020/0	Hutchinson, Geoffrey Bain		Noachis Terra Inc	12-Jan-23
L-121-2020/0	(b) (4)		Noachis Terra Inc	12-Jan-23
L-121-2020/0			Noachis Terra Inc	12-Jan-23
L-244-2021/0	Akin, Cem		Septerna, Inc.	12-Jan-23
L-244-2021/0	Kirshenbaum, Arnold		Septerna, Inc.	12-Jan-23
L-244-2021/0	Metcalfe, Dean D		Septerna, Inc.	12-Jan-23
L-214-2022/0	Akin, Cem		Elektrofi, Inc.	12-Jan-23
L-214-2022/0	Kirshenbaum, Arnold		Elektrofi, Inc.	12-Jan-23
L-214-2022/0	Metcalfe, Dean D		Elektrofi, Inc.	12-Jan-23
L-214-2022/0	Akin, Cem		Elektrofi, Inc.	12-Jan-23
L-214-2022/0	Kirshenbaum, Arnold		Elektrofi, Inc.	12-Jan-23
L-214-2022/0	Metcalfe, Dean D		Elektrofi, Inc.	12-Jan-23
L-200-2018/0	Chanock, (b) (6) Robert		Shandong Yidu Biotechnology Co., Ltd.	18-Jan-23
L-200-2018/0	Hoshino, Yasutaka		Shandong Yidu Biotechnology Co., Ltd.	18-Jan-23
L-200-2018/0	Kapikian, (b) (6) Albert Z		Shandong Yidu Biotechnology Co., Ltd.	18-Jan-23
L-120-1995/3	Shevach, Ethan M		Southern Biotechnology Associates, Inc.	19-Jan-23
L-089-2021/0	Akin, Cem		Engitix Limited	19-Jan-23
L-089-2021/0	Kirshenbaum, Arnold		Engitix Limited	19-Jan-23
L-089-2021/0	Metcalfe, Dean D		Engitix Limited	19-Jan-23
L-183-2021/0	NIAID		Medicago Inc.	19-Jan-23
L-093-2005/5	Asiedu, Clement K.	(b) (4), (b) (6)	Janssen Vaccines & Prevention B.V.	26-Jan-23
L-093-2005/5	Chakrabarti, Bimal K.		Janssen Vaccines & Prevention B.V.	26-Jan-23
L-093-2005/5	Cheng, Cheng		Janssen Vaccines & Prevention B.V.	26-Jan-23
L-093-2005/5	Huang, Yue		Janssen Vaccines & Prevention B.V.	26-Jan-23

(b) (3) (A), (b) (4), (b) (6)

(b) (3) (A), (b) (4), (b) (6)

L-093-2005/5	Mackett, Michael	(b) (4),	Janssen Vaccines & Prevention B.V.	26-Jan-23
L-093-2005/5	Moss, Bernard	(b) (6)	Janssen Vaccines & Prevention B.V.	26-Jan-23
L-093-2005/5	Nabel, Gary J.		Janssen Vaccines & Prevention B.V.	26-Jan-23
L-093-2005/5	Smith, Geoffrey L		Janssen Vaccines & Prevention B.V.	26-Jan-23
L-093-2005/5	Sullivan, Nancy J.		Janssen Vaccines & Prevention B.V.	26-Jan-23
L-093-2005/5	Ward, Lucy A.		Janssen Vaccines & Prevention B.V.	26-Jan-23
L-093-2005/5	Yang, Zhi-Yong		Janssen Vaccines & Prevention B.V.	26-Jan-23
Note: L-093-2005/5 split between CDC; NIAID				
L-084-2002/1	Shevach, Ethan M		Miltenyi Biotec GMBH	27-Jan-23
L-063-2006/3	Barry, Clifton E		Sequella, Inc.	27-Jan-23
L-063-2006/3	Lee, Richard E.		Sequella, Inc.	27-Jan-23
L-063-2006/3	Slayden, Richard A		Sequella, Inc.	27-Jan-23
L-044-2008/1	Eisenbarth, (b) (6) George		Miltenyi Biotec GMBH	27-Jan-23
Note: L-044-2008/1 split between NHLBI; NIAID				
L-098-2010/0	Germain, Ronald N.		Miltenyi BIotec GmbH	27-Jan-23
L-098-2010/0	Porgador, Angel		Miltenyi BIotec GmbH	27-Jan-23
L-051-2011/0	DeVico, Angela M.		Miltenyi Biotec Gmbh	27-Jan-23
L-051-2011/0	Korty, Patricia E.		Miltenyi Biotec Gmbh	27-Jan-23
L-051-2011/0	Shevach, Ethan M		Miltenyi Biotec Gmbh	27-Jan-23
L-089-2012/0	Shevach, Ethan M		Miltenyi Biotec GMBH	27-Jan-23
L-113-2004/1	Jeang, (b) (6) Kuan-Teh		Cell Signeling Technology, Inc.	30-Jan-23
L-016-2011/2	Adachi, Akio		Merck Sharp & Dohme Corp.	30-Jan-23
L-016-2011/2	Folks, Thomas M		Merck Sharp & Dohme Corp.	30-Jan-23
L-016-2011/2	Leonard, John M.		Merck Sharp & Dohme Corp.	30-Jan-23
L-016-2011/2	Martin, Malcolm A		Merck Sharp & Dohme Corp.	30-Jan-23
L-016-2011/2	Rabson, Arnold B.		Merck Sharp & Dohme Corp.	30-Jan-23
L-016-2011/2	Rutledge, Rosamond A.		Merck Sharp & Dohme Corp.	30-Jan-23
L-016-2011/2	Theodore, (b) (6) Theodore S		Merck Sharp & Dohme Corp.	30-Jan-23
L-016-2011/2	Willey, Ronald L.		Merck Sharp & Dohme Corp.	30-Jan-23
L-046-2017/1	Blaney Jr., Joseph E.		Medigen Vaccine Biologics Corp	30-Jan-23
L-046-2017/1	Hanley, Kathryn		Medigen Vaccine Biologics Corp	30-Jan-23
L-046-2017/1	Lai, Ching-Juh		Medigen Vaccine Biologics Corp	30-Jan-23
L-046-2017/1	Murphy, Brian R.		Medigen Vaccine Biologics Corp	30-Jan-23
L-046-2017/1	Whitehead, Stephen S.		Medigen Vaccine Biologics Corp	30-Jan-23
Note: L-046-2017/1 split between FDA; NIAID				
L-059-2020/1	Akin, Cem		Merck Sharp & Dohme Corp.	30-Jan-23
L-059-2020/1	Kirshenbaum, Arnold		Merck Sharp & Dohme Corp.	30-Jan-23
L-059-2020/1	Metcalfe, Dean D		Merck Sharp & Dohme Corp.	30-Jan-23

NIH Patent Licensing Activities
NIAID
February 2023

(b) (3) (A), (b) (4), (b) (6)

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total February Income	License Cumulative Income	Inventor Awards February	Net Remaining to IC
L-012-2007/2	Eisenbarth, (b) (6) George	(b) (4),	Santa Cruz Biotechnology Inc	1-Feb-23						
L-012-2007/2	Fauci, Anthony	(b) (6)	Santa Cruz Biotechnology Inc	1-Feb-23						

(b) (3) (A), (b) (4), (b) (6)

L-012-2007/2	Haynes, Barton F.	(b) (4), (b) (6)	Santa Cruz Biotechnology Inc	1-Feb-23
L-108-2007/1	Caldwell, Harlan D.		Santa Cruz Biot., Inc.	1-Feb-23
L-108-2007/1	Morrison, Richard P.		Santa Cruz Biot., Inc.	1-Feb-23
L-031-2008/1	Shevach, Ethan M		Santa Cruz Biotechnolgy Inc	1-Feb-23
L-165-2013/1	Mackett, Michael		SillaJen Biotherapeutics, Inc	1-Feb-23
L-165-2013/1	Moss, Bernard		SillaJen Biotherapeutics, Inc	1-Feb-23
L-165-2013/1	Smith, Geoffrey L		SillaJen Biotherapeutics, Inc	1-Feb-23
L-053-2022/0	Akin, Cem		Aptuit (Verona) Srl	1-Feb-23
L-053-2022/0	Kirshenbaum, Arnold		Aptuit (Verona) Srl	1-Feb-23
L-053-2022/0	Metcalfe, Dean D		Aptuit (Verona) Srl	1-Feb-23
L-152-2002/4	Hsu, Su-Cheng Dana		Emergent BioDefense Operations Lansing I	2-Feb-23
L-152-2002/4	Leppla, Stephen H.		Emergent BioDefense Operations Lansing I	2-Feb-23
L-152-2002/4	Pomerantsev, Andrei P		Emergent BioDefense Operations Lansing I	2-Feb-23
Note: L-152-2002/4 split between NIAID; NIDCR				
L-135-2017/4	Boyington, Jeffrey C.		Emergent Product Development Gaithersbur	2-Feb-23
L-135-2017/4	Kong, Wing-pui		Emergent Product Development Gaithersbur	2-Feb-23
L-135-2017/4	Kwong, Peter D.		Emergent Product Development Gaithersbur	2-Feb-23
L-135-2017/4	Mascola, John R.		Emergent Product Development Gaithersbur	2-Feb-23
L-135-2017/4	McTamney, Patrick		Emergent Product Development Gaithersbur	2-Feb-23
L-135-2017/4	Moin, Syed M.		Emergent Product Development Gaithersbur	2-Feb-23
L-135-2017/4	Nabel, Gary J.		Emergent Product Development Gaithersbur	2-Feb-23
L-135-2017/4	Wang, Lingshu		Emergent Product Development Gaithersbur	2-Feb-23
L-135-2017/4	Wei, Chih-Jen		Emergent Product Development Gaithersbur	2-Feb-23
L-135-2017/4	Whittle, James R R		Emergent Product Development Gaithersbur	2-Feb-23
L-135-2017/4	Yang, Zhi-Yong		Emergent Product Development Gaithersbur	2-Feb-23
L-346-2014/0	Blaney Jr., Joseph E.		Exxell BIO, Inc.	8-Feb-23
L-346-2014/0	Jahrling, Peter B.		Exxell BIO, Inc.	8-Feb-23
L-346-2014/0	Johnson, Reed F.		Exxell BIO, Inc.	8-Feb-23
L-346-2014/0	Paragas, Jason J.		Exxell BIO, Inc.	8-Feb-23
L-346-2014/0	(b) (4)		Exxell BIO, Inc.	8-Feb-23
L-155-2020/1	Akahata, Wataru		Emergent Product Development Gaithersbur	8-Feb-23
L-155-2020/1	Nabel, Gary J.		Emergent Product Development Gaithersbur	8-Feb-23
L-155-2020/1	Rao, Srinivas		Emergent Product Development Gaithersbur	8-Feb-23
L-155-2020/1	Sullivan, Nancy J.		Emergent Product Development Gaithersbur	8-Feb-23
L-155-2020/1	Yang, Zhi-Yong		Emergent Product Development Gaithersbur	8-Feb-23
Note: L-155-2020/1 split between CDC; NIAID				
L-191-2016/3	Akin, Cem		GlaxoSmithKline LLC	9-Feb-23
L-191-2016/3	Kirshenbaum, Arnold		GlaxoSmithKline LLC	9-Feb-23
L-191-2016/3	Metcalfe, Dean D		GlaxoSmithKline LLC	9-Feb-23
L-279-2019/1	Boyington, Jeffrey C.		BlueWillow Biologics,Inc.	9-Feb-23
L-279-2019/1	Carey, Elizabeth		BlueWillow Biologics,Inc.	9-Feb-23
L-279-2019/1	Chen, Lei		BlueWillow Biologics,Inc.	9-Feb-23
L-279-2019/1	Chen, Man		BlueWillow Biologics,Inc.	9-Feb-23
L-279-2019/1	Chen, Mingzong		BlueWillow Biologics,Inc.	9-Feb-23
L-279-2019/1	Chen, Peifeng		BlueWillow Biologics,Inc.	9-Feb-23
L-279-2019/1	Chuang, Gwo-Yu		BlueWillow Biologics,Inc.	9-Feb-23
L-279-2019/1	Georgiev, Ivelin S.		BlueWillow Biologics,Inc.	9-Feb-23
L-279-2019/1	Ghosh, Mridul K.		BlueWillow Biologics,Inc.	9-Feb-23
L-279-2019/1	Gorman, Jason		BlueWillow Biologics,Inc.	9-Feb-23

		(b) (4), (b) (6)			(b) (3) (A), (b) (4), (b) (6)
L-279-2019/1	Horwitz, Joseph		BlueWillow Biologics,Inc.	9-Feb-23	
L-279-2019/1	Kwong, Peter D.		BlueWillow Biologics,Inc.	9-Feb-23	
L-279-2019/1	McLellan, Jason Scott		BlueWillow Biologics,Inc.	9-Feb-23	
L-279-2019/1	Nagy, Attila		BlueWillow Biologics,Inc.	9-Feb-23	
L-279-2019/1	OFEK, GILAD A		BlueWillow Biologics,Inc.	9-Feb-23	
L-279-2019/1	Pancera, Marie L.		BlueWillow Biologics,Inc.	9-Feb-23	
L-279-2019/1	Sastry, Mallika		BlueWillow Biologics,Inc.	9-Feb-23	
L-279-2019/1	Soto, Cinque		BlueWillow Biologics,Inc.	9-Feb-23	
L-279-2019/1	Srivatsan, Sanjay R.		BlueWillow Biologics,Inc.	9-Feb-23	
L-279-2019/1	Stewart-Jones, Guillaume B. E.		BlueWillow Biologics,Inc.	9-Feb-23	
L-279-2019/1	(b) (4)		BlueWillow Biologics,Inc.	9-Feb-23	
L-279-2019/1	YANG, YONGPING		BlueWillow Biologics,Inc.	9-Feb-23	
L-279-2019/1	Zhang, Baoshan		BlueWillow Biologics,Inc.	9-Feb-23	
L-279-2019/1	Zhou, Tongqing		BlueWillow Biologics,Inc.	9-Feb-23	
L-066-2023/0	Board, Nathan		GlaxoSmithKline Biologicals, S.A.	9-Feb-23	
L-066-2023/0	Bu, Wei		GlaxoSmithKline Biologicals, S.A.	9-Feb-23	
L-066-2023/0	Cohen, Jeffrey I.		GlaxoSmithKline Biologicals, S.A.	9-Feb-23	
L-066-2023/0	Dowdell, Kennichl C.		GlaxoSmithKline Biologicals, S.A.	9-Feb-23	
L-066-2023/0	Nabel, Gary J.		GlaxoSmithKline Biologicals, S.A.	9-Feb-23	
L-226-2014/2	Nutman, Thomas B.		Quest Distribution Inc.	10-Feb-23	
L-034-2015/0	Mackett, Michael		Imanis Life Sciences, LLC	14-Feb-23	
L-034-2015/0	Moss, Bernard		Imanis Life Sciences, LLC	14-Feb-23	
L-034-2015/0	Smith, Geoffrey L		Imanis Life Sciences, LLC	14-Feb-23	
L-043-2018/0	Boyington, Jeffrey C.		MedImmune	14-Feb-23	
L-043-2018/0	Chen, Lei		MedImmune	14-Feb-23	
L-043-2018/0	Chen, Man		MedImmune	14-Feb-23	
L-043-2018/0	Chuang, Gwo-Yu		MedImmune	14-Feb-23	
L-043-2018/0	Georgiev, Ivelin S.		MedImmune	14-Feb-23	
L-043-2018/0	Gorman, Jason		MedImmune	14-Feb-23	
L-043-2018/0	Kwong, Peter D.		MedImmune	14-Feb-23	
L-043-2018/0	McLellan, Jason Scott		MedImmune	14-Feb-23	
L-043-2018/0	OFEK, GILAD A		MedImmune	14-Feb-23	
L-043-2018/0	Pancera, Marie L.		MedImmune	14-Feb-23	
L-043-2018/0	Sastry, Mallika		MedImmune	14-Feb-23	
L-043-2018/0	Soto, Cinque		MedImmune	14-Feb-23	
L-043-2018/0	Srivatsan, Sanjay R.		MedImmune	14-Feb-23	
L-043-2018/0	Stewart-Jones, Guillaume B. E.		MedImmune	14-Feb-23	
L-043-2018/0	YANG, YONGPING		MedImmune	14-Feb-23	
L-043-2018/0	Zhang, Baoshan		MedImmune	14-Feb-23	
L-043-2018/0	Zhou, Tongqing		MedImmune	14-Feb-23	
L-033-2021/0	Abisola Abiona, Olubukola Mary		ACROBiosystems Inc.	14-Feb-23	
L-033-2021/0	(b) (4)		ACROBiosystems Inc.	14-Feb-23	
L-033-2021/0	Hutchinson, Geoffrey Bain		ACROBiosystems Inc.	14-Feb-23	
L-033-2021/0	(b) (4)		ACROBiosystems Inc.	14-Feb-23	
L-033-2021/0			ACROBiosystems Inc.	14-Feb-23	
L-010-2022/0	Akin, Cem		Pfizer, Inc.	14-Feb-23	
L-010-2022/0	Kirshenbaum, Arnold		Pfizer, Inc.	14-Feb-23	
L-010-2022/0	Metcalfe, Dean D		Pfizer, Inc.	14-Feb-23	
L-115-2000/2	Cheung, Yiu Chong Gordon		List Biological Laboratories, Inc.	15-Feb-23	
L-115-2000/2	Gupta, Pradeep K.		List Biological Laboratories, Inc.	15-Feb-23	
L-115-2000/2	Hsu, Su-Cheng Dana		List Biological Laboratories, Inc.	15-Feb-23	
L-115-2000/2	Hu, Haijing		List Biological Laboratories, Inc.	15-Feb-23	

L-115-2000/2	Leppla, Stephen H.	(b) (4), (b) (6) List Biological Laboratories, Inc.	15-Feb-23	(b) (3) (A), (b) (4), (b) (6)
L-115-2000/2	Leysath, Clinton E.	List Biological Laboratories, Inc.	15-Feb-23	
L-115-2000/2	Moayeri, Mahtab	List Biological Laboratories, Inc.	15-Feb-23	
L-115-2000/2	Pomerantsev, Andrei P	List Biological Laboratories, Inc.	15-Feb-23	
Note: L-115-2000/2 split between NIAID; NIDCR				
L-179-2020/0	Abisola Abiona, Olubukola Mary	BioNTech AG	15-Feb-23	
L-179-2020/0	(b) (4)	BioNTech AG	15-Feb-23	
L-179-2020/0	Hutchinson, Geoffrey Bain	BioNTech AG	15-Feb-23	
L-179-2020/0	(b) (4)	BioNTech AG	15-Feb-23	
L-179-2020/0		BioNTech AG	15-Feb-23	
L-074-2020/0	Baxa, Ulrich	China National Biotec Group Company Limi	17-Feb-23	
L-074-2020/0	Boyington, Jeffrey C.	China National Biotec Group Company Limi	17-Feb-23	
L-074-2020/0	Chen, Lei	China National Biotec Group Company Limi	17-Feb-23	
L-074-2020/0	Chen, Man	China National Biotec Group Company Limi	17-Feb-23	
L-074-2020/0	Chuang, Gwo-Yu	China National Biotec Group Company Limi	17-Feb-23	
L-074-2020/0	Druz, Aliaksandr A.	China National Biotec Group Company Limi	17-Feb-23	
L-074-2020/0	Georgiev, Ivelin S.	China National Biotec Group Company Limi	17-Feb-23	
L-074-2020/0	Gorman, Jason	China National Biotec Group Company Limi	17-Feb-23	
L-074-2020/0	Kong, Wing-pui	China National Biotec Group Company Limi	17-Feb-23	
L-074-2020/0	Kwong, Peter D.	China National Biotec Group Company Limi	17-Feb-23	
L-074-2020/0	Mascola, John R.	China National Biotec Group Company Limi	17-Feb-23	
L-074-2020/0	McLellan, Jason Scott	China National Biotec Group Company Limi	17-Feb-23	
L-074-2020/0	OFEK, GILAD A	China National Biotec Group Company Limi	17-Feb-23	
L-074-2020/0	Ou, Li	China National Biotec Group Company Limi	17-Feb-23	
L-074-2020/0	Pancera, Marie L.	China National Biotec Group Company Limi	17-Feb-23	
L-074-2020/0	Rundlet, Emily J	China National Biotec Group Company Limi	17-Feb-23	
L-074-2020/0	Sastry, Mallika	China National Biotec Group Company Limi	17-Feb-23	
L-074-2020/0	Soto, Cinque	China National Biotec Group Company Limi	17-Feb-23	
L-074-2020/0	Srivatsan, Sanjay R.	China National Biotec Group Company Limi	17-Feb-23	
L-074-2020/0	Stewart-Jones, Guillaume B. E.	China National Biotec Group Company Limi	17-Feb-23	
L-074-2020/0	Thomas, Paul V.	China National Biotec Group Company Limi	17-Feb-23	
L-074-2020/0	Tsybovsky, Yaroslav	China National Biotec Group Company Limi	17-Feb-23	
L-074-2020/0	Van Galen, Joseph	China National Biotec Group Company Limi	17-Feb-23	
L-074-2020/0	YANG, YONGPING	China National Biotec Group Company Limi	17-Feb-23	
L-074-2020/0	Zhang, Baoshan	China National Biotec Group Company Limi	17-Feb-23	
L-074-2020/0	Zhou, Tongqing	China National Biotec Group Company Limi	17-Feb-23	
L-023-2022/0	(b) (4)	Thermo Fisher Scientific	17-Feb-23	
L-023-2022/0		Thermo Fisher Scientific	17-Feb-23	
L-023-2022/0		Thermo Fisher Scientific	17-Feb-23	
L-023-2022/0		Thermo Fisher Scientific	17-Feb-23	
L-023-2022/0		Thermo Fisher Scientific	17-Feb-23	
L-023-2022/0		Thermo Fisher Scientific	17-Feb-23	
L-225-1994/4	Siebenlist, Ulrich	Millipore Sigma	21-Feb-23	
L-114-2009/0	Blaney Jr., Joseph E.	Co for Vaccine and Bio Productin	21-Feb-23	
L-114-2009/0	Hanley, Kathryn	Co for Vaccine and Bio Productin	21-Feb-23	
L-114-2009/0	Lai, Ching-Juh	Co for Vaccine and Bio Productin	21-Feb-23	
L-114-2009/0	Murphy, Brian R.	Co for Vaccine and Bio Productin	21-Feb-23	
L-114-2009/0	Whitehead, Stephen S.	Co for Vaccine and Bio Productin	21-Feb-23	
Note: L-114-2009/0 split between FDA; NIAID				
L-001-2015/2	Blaney Jr., Joseph E.	Merck Sharp & Dohme, Corp.	21-Feb-23	
L-001-2015/2	Bray, Michael	Merck Sharp & Dohme, Corp.	21-Feb-23	
L-001-2015/2	Chanock, (b) (6) Robert	Merck Sharp & Dohme, Corp.	21-Feb-23	

(b) (3) (A), (b) (4), (b) (6)

L-001-2015/2	Eckels, Kenneth H	(b) (4), (b) (6)	Merck Sharp & Dohme, Corp.	21-Feb-23
L-001-2015/2	Hanley, Kathryn		Merck Sharp & Dohme, Corp.	21-Feb-23
L-001-2015/2	Lai, Ching-Juh		Merck Sharp & Dohme, Corp.	21-Feb-23
L-001-2015/2	Men, Ruhe		Merck Sharp & Dohme, Corp.	21-Feb-23
L-001-2015/2	Murphy, Brian R.		Merck Sharp & Dohme, Corp.	21-Feb-23
L-001-2015/2	Pletnev, Alexander G		Merck Sharp & Dohme, Corp.	21-Feb-23
L-001-2015/2	Whitehead, Stephen S.		Merck Sharp & Dohme, Corp.	21-Feb-23
L-001-2015/2	Zhang, Yi-Ming		Merck Sharp & Dohme, Corp.	21-Feb-23
Note: L-001-2015/2 split between FDA; NIAID				
L-011-2015/1	Garboczi, David		Millipore Sigma	21-Feb-23
L-011-2015/1	Lantz, Larry		Millipore Sigma	21-Feb-23
L-011-2015/1	Leppla, Stephen H.		Millipore Sigma	21-Feb-23
L-011-2015/1	Leysath, Clinton E.		Millipore Sigma	21-Feb-23
L-011-2015/1	Phillips, Damilola D.		Millipore Sigma	21-Feb-23
L-111-2015/1	Brock, Linda G.		Codagenix Inc.	21-Feb-23
L-111-2015/1	Buchholz, Ursula		Codagenix Inc.	21-Feb-23
L-111-2015/1	Collins, Peter L.		Codagenix Inc.	21-Feb-23
L-111-2015/1	DiNapoli, Joshua M.		Codagenix Inc.	21-Feb-23
L-111-2015/1	Le Nouen, Cyril J.		Codagenix Inc.	21-Feb-23
L-111-2015/1	(b) (4)		Codagenix Inc.	21-Feb-23
L-162-2015/2	Baxa, Ulrich		Merck Sharp and dohme	21-Feb-23
L-162-2015/2	Boyington, Jeffrey C.		Merck Sharp and dohme	21-Feb-23
L-162-2015/2	Chen, Lei		Merck Sharp and dohme	21-Feb-23
L-162-2015/2	Chen, Man		Merck Sharp and dohme	21-Feb-23
L-162-2015/2	Chuang, Gwo-Yu		Merck Sharp and dohme	21-Feb-23
L-162-2015/2	Druz, Aliaksandr A.		Merck Sharp and dohme	21-Feb-23
L-162-2015/2	Georgiev, Ivelin S.		Merck Sharp and dohme	21-Feb-23
L-162-2015/2	Gorman, Jason		Merck Sharp and dohme	21-Feb-23
L-162-2015/2	Kong, Wing-pui		Merck Sharp and dohme	21-Feb-23
L-162-2015/2	Kwong, Peter D.		Merck Sharp and dohme	21-Feb-23
L-162-2015/2	Mascola, John R.		Merck Sharp and dohme	21-Feb-23
L-162-2015/2	McLellan, Jason Scott		Merck Sharp and dohme	21-Feb-23
L-162-2015/2	OFEK, GILAD A		Merck Sharp and dohme	21-Feb-23
L-162-2015/2	Ou, Li		Merck Sharp and dohme	21-Feb-23
L-162-2015/2	Pancera, Marie L.		Merck Sharp and dohme	21-Feb-23
L-162-2015/2	Rundlet, Emily J		Merck Sharp and dohme	21-Feb-23
L-162-2015/2	Sastry, Mallika		Merck Sharp and dohme	21-Feb-23
L-162-2015/2	Soto, Cinque		Merck Sharp and dohme	21-Feb-23
L-162-2015/2	Srivatsan, Sanjay R.		Merck Sharp and dohme	21-Feb-23
L-162-2015/2	Stewart-Jones, Guillaume B. E.		Merck Sharp and dohme	21-Feb-23
L-162-2015/2	Thomas, Paul V.		Merck Sharp and dohme	21-Feb-23
L-162-2015/2	Tsybovsky, Yaroslav		Merck Sharp and dohme	21-Feb-23
L-162-2015/2	Van Galen, Joseph		Merck Sharp and dohme	21-Feb-23
L-162-2015/2	YANG, YONGPING		Merck Sharp and dohme	21-Feb-23
L-162-2015/2	Zhang, Baoshan		Merck Sharp and dohme	21-Feb-23
L-162-2015/2	Zhou, Tongqing		Merck Sharp and dohme	21-Feb-23
L-165-2015/0	Davey, Richard T.		Millipore Sigma	21-Feb-23
L-165-2015/0	Nutman, Thomas B.		Millipore Sigma	21-Feb-23
L-050-2018/0	Caldwell, Harlan D.		Millipore Sigma	21-Feb-23
L-063-2018/0	Shevach, Ethan M		Millipore Sigma	21-Feb-23
L-154-2006/0	Mackett, Michael		Boehringer Ingleheim Animal Health USA I	22-Feb-23
L-154-2006/0	Moss, Bernard		Boehringer Ingleheim Animal Health USA I	22-Feb-23

					(b) (3) (A), (b) (4), (b) (6)
L-154-2006/0	Smith, Geoffrey L	(b) (4), (b) (6)	Boehringer Ingleheim Animal Health USA I	22-Feb-23	
L-011-2023/0	Francica, Joseph Richard		Just-Evotec Biologics, Inc.	23-Feb-23	
L-011-2023/0	Seder, Robert		Just-Evotec Biologics, Inc.	23-Feb-23	
L-011-2023/0	Vistein, Rachel Marie		Just-Evotec Biologics, Inc.	23-Feb-23	
L-011-2023/0	Wang, Lawrence Tsuchun		Just-Evotec Biologics, Inc.	23-Feb-23	
L-080-2006/4	Blaney Jr., Joseph E.		Panacea Biotech Ltd	24-Feb-23	
L-080-2006/4	Hanley, Kathryn		Panacea Biotech Ltd	24-Feb-23	
L-080-2006/4	Lai, Ching-Juh		Panacea Biotech Ltd	24-Feb-23	
L-080-2006/4	Murphy, Brian R.		Panacea Biotech Ltd	24-Feb-23	
L-080-2006/4	Whitehead, Stephen S.		Panacea Biotech Ltd	24-Feb-23	
Note: L-080-2006/4 split between FDA; NIAID					
L-049-2023/0	(b) (4)		Moderna TX, Inc.	24-Feb-23	
L-049-2023/0			Moderna TX, Inc.	24-Feb-23	

NIH Patent Licensing Activities
NIAID
March 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total March Income	License Cumulative Income	Inventor Awards March	Net Remaining to IC
L-190-2020/0	Boyington, Jeffrey C.	(b) (4), (b) (6)	Meso Scale Diagnostics, LLC	1-Mar-23						(b) (3) (A), (b) (4), (b) (6)
L-190-2020/0	Chen, Lei		Meso Scale Diagnostics, LLC	1-Mar-23						
L-190-2020/0	Chen, Man		Meso Scale Diagnostics, LLC	1-Mar-23						
L-190-2020/0	Chuang, Gwo-Yu		Meso Scale Diagnostics, LLC	1-Mar-23						
L-190-2020/0	(b) (4)		Meso Scale Diagnostics, LLC	1-Mar-23						
L-190-2020/0	Georgiev, Ivelin S.		Meso Scale Diagnostics, LLC	1-Mar-23						
L-190-2020/0	Gorman, Jason		Meso Scale Diagnostics, LLC	1-Mar-23						
L-190-2020/0	Kwong, Peter D.		Meso Scale Diagnostics, LLC	1-Mar-23						
L-190-2020/0	McLellan, Jason Scott		Meso Scale Diagnostics, LLC	1-Mar-23						
L-190-2020/0	OFEK, GILAD A		Meso Scale Diagnostics, LLC	1-Mar-23						
L-190-2020/0	Pancera, Marie L.		Meso Scale Diagnostics, LLC	1-Mar-23						
L-190-2020/0	Sastry, Mallika		Meso Scale Diagnostics, LLC	1-Mar-23						
L-190-2020/0	Soto, Cinque		Meso Scale Diagnostics, LLC	1-Mar-23						
L-190-2020/0	Srivatsan, Sanjay R.		Meso Scale Diagnostics, LLC	1-Mar-23						
L-190-2020/0	Stewart-Jones, Guillaume B. E.		Meso Scale Diagnostics, LLC	1-Mar-23						
L-190-2020/0	(b) (4)		Meso Scale Diagnostics, LLC	1-Mar-23						
L-190-2020/0			Meso Scale Diagnostics, LLC	1-Mar-23						
L-190-2020/0	YANG, YONGPING		Meso Scale Diagnostics, LLC	1-Mar-23						
L-190-2020/0	Zhang, Baoshan		Meso Scale Diagnostics, LLC	1-Mar-23						
L-190-2020/0	Zhou, Tongqing		Meso Scale Diagnostics, LLC	1-Mar-23						
L-005-2003/1	Ohara, Junichi		Biolegend Inc	2-Mar-23						
L-005-2003/1	Paul, (b) (6) William E.		Biolegend Inc	2-Mar-23						
L-011-2008/2	Shevach, Ethan M		BioLegend	2-Mar-23						
L-072-2009/1	Long, Eric O.		BioLegend	2-Mar-23						
L-072-2009/1	Rajagopalan, Sumati		BioLegend	2-Mar-23						
L-071-2010/1	DeVico, Angela M.		BioLegend	2-Mar-23						
L-071-2010/1	Korty, Patricia E.		BioLegend	2-Mar-23						
L-071-2010/1	Shevach, Ethan M		BioLegend	2-Mar-23						
L-003-2011/0	Germain, Ronald N.		Biolegend	2-Mar-23						

L-003-2011/0	Porgador, Angel	(b) (4), (b) (6)	Biolegend	2-Mar-23	(b) (3) (A), (b) (4), (b) (6)
L-157-2020/0	Germain, Ronald N.		Biolegend, Inc.	2-Mar-23	
L-157-2020/0	Gerner, Michael Y		Biolegend, Inc.	2-Mar-23	
L-157-2020/0	Li, Weizhe		Biolegend, Inc.	2-Mar-23	
L-113-2004/1	Jeang, (b) (6) Kuan-Teh		Cell Signeling Technology, Inc.	3-Mar-23	
L-197-2005/6	Chanock, (b) (6) Robert		Serum Institute of India PVT. LTD	3-Mar-23	
L-197-2005/6	Hoshino, Yasutaka		Serum Institute of India PVT. LTD	3-Mar-23	
L-197-2005/6	Kapikian, (b) (6) Albert Z		Serum Institute of India PVT. LTD	3-Mar-23	
L-079-2013/0	Lobos Lazzeri, M Edgard S		PATH Vaccine Solutions	3-Mar-23	
L-079-2013/0	Nutman, Thomas B.		PATH Vaccine Solutions	3-Mar-23	
L-333-2014/0	Fink, Doran		PATH Vaccine Solutions	3-Mar-23	
L-333-2014/0	Kubofcik, Joseph		PATH Vaccine Solutions	3-Mar-23	
L-333-2014/0	Nutman, Thomas B.		PATH Vaccine Solutions	3-Mar-23	
Note: L-333-2014/0 split between NIAID; NIDCR					
L-068-2016/1	Cheng, Cheng		Emergent Biosolutions	3-Mar-23	
L-068-2016/1	Merritt, Joshua S.		Emergent Biosolutions	3-Mar-23	
L-068-2016/1	Schwartz, Richard M.		Emergent Biosolutions	3-Mar-23	
L-070-2016/1	Akahata, Wataru		Emergent Biosolutions	3-Mar-23	
L-070-2016/1	Nabel, Gary J.		Emergent Biosolutions	3-Mar-23	
L-070-2016/1	Rao, Srinivas		Emergent Biosolutions	3-Mar-23	
L-070-2016/1	Sullivan, Nancy J.		Emergent Biosolutions	3-Mar-23	
L-070-2016/1	Yang, Zhi-Yong		Emergent Biosolutions	3-Mar-23	
Note: L-070-2016/1 split between CDC; NIAID					
L-001-1998/2	Shevach, Ethan M		BD Biosciences	13-Mar-23	
L-056-2012/0	DeVico, Angela M.		BD Biosciences	13-Mar-23	
L-056-2012/0	Korty, Patricia E.		BD Biosciences	13-Mar-23	
L-056-2012/0	Shevach, Ethan M		BD Biosciences	13-Mar-23	
L-158-2020/1	Kong, Wing-pui		AbCellera Biologics Inc.	13-Mar-23	
L-158-2020/1	Ledgerwood, Julie		AbCellera Biologics Inc.	13-Mar-23	
L-158-2020/1	Mascola, John R.		AbCellera Biologics Inc.	13-Mar-23	
L-158-2020/1	Shi, Wei		AbCellera Biologics Inc.	13-Mar-23	
L-158-2020/1	Wang, Lingshu		AbCellera Biologics Inc.	13-Mar-23	
L-158-2020/1	Zhang, Yi		AbCellera Biologics Inc.	13-Mar-23	
L-018-2021/0	(b) (4)		ReiThera Srl	13-Mar-23	
L-018-2021/0			ReiThera Srl	13-Mar-23	
L-018-2021/0			ReiThera Srl	13-Mar-23	
L-018-2021/0			ReiThera Srl	13-Mar-23	
L-018-2021/0			ReiThera Srl	13-Mar-23	
L-018-2021/0			ReiThera Srl	13-Mar-23	
L-078-2011/0	Mackett, Michael		CEVA Biomune	14-Mar-23	
L-078-2011/0	Moss, Bernard		CEVA Biomune	14-Mar-23	
L-078-2011/0	Smith, Geoffrey L		CEVA Biomune	14-Mar-23	
L-073-2018/0	Gautam, Rajeev		Gilead Sciences, Inc.	14-Mar-23	
L-073-2018/0	Martin, Malcolm A		Gilead Sciences, Inc.	14-Mar-23	
L-073-2018/0	Nishimura, Yoshiaki		Gilead Sciences, Inc.	14-Mar-23	

(b) (3) (A), (b) (4), (b) (6)

L-073-2018/0	Sadjadpour, Reza	(b) (4),	Gilead Sciences, Inc.	14-Mar-23
L-073-2018/0	Shingai, Masashi	(b) (6)	Gilead Sciences, Inc.	14-Mar-23
L-130-2005/3	Chanock, (b) (6) Robert		Biological E. Limited	15-Mar-23
L-130-2005/3	Hoshino, Yasutaka		Biological E. Limited	15-Mar-23
L-130-2005/3	Kapikian, (b) (6) Albert Z		Biological E. Limited	15-Mar-23
L-277-2018/1	Cohen, Jeffrey I.		Biological E Limited	15-Mar-23
L-277-2018/1	Cox, Edward M.		Biological E Limited	15-Mar-23
L-277-2018/1	Pesnicak, Lesley M		Biological E Limited	15-Mar-23
L-119-2009/2	Blaney Jr., Joseph E.		Fundacao Butantan	16-Mar-23
L-119-2009/2	Hanley, Kathryn		Fundacao Butantan	16-Mar-23
L-119-2009/2	Lai, Ching-Juh		Fundacao Butantan	16-Mar-23
L-119-2009/2	Murphy, Brian R.		Fundacao Butantan	16-Mar-23
L-119-2009/2	Whitehead, Stephen S.		Fundacao Butantan	16-Mar-23
Note: L-119-2009/2 split between FDA; NIAID				
L-214-2022/0	Akin, Cem		Elektrofi, Inc.	20-Mar-23
L-214-2022/0	Kirshenbaum, Arnold		Elektrofi, Inc.	20-Mar-23
L-214-2022/0	Metcalfe, Dean D		Elektrofi, Inc.	20-Mar-23
L-049-2000/1	Shevach, Ethan M		eBioscience, Inc..	21-Mar-23
Note: L-049-2000/1 split between NCI; NIAID				
L-106-2006/1	Shevach, Ethan M		Affymetrix, Inc.	21-Mar-23
L-102-2007/1	Eisenbarth, (b) (6) George		Life Technologies Corporation	21-Mar-23
Note: L-102-2007/1 split between NHLBI; NIAID				
L-245-1994/1	Folks, Thomas M		SearCare Life Sciences	22-Mar-23
L-245-1994/1	Martin, Malcolm A		SearCare Life Sciences	22-Mar-23
L-245-1994/1	Powell, Douglas M		SearCare Life Sciences	22-Mar-23
Note: L-245-1994/1 split between NCI; NIAID				
L-117-2020/0	Emerson, Suzanne U.		Southern Research Institute	24-Mar-23
L-117-2020/0	Nguyen, Hanh T.		Southern Research Institute	24-Mar-23
L-117-2020/0	Purcell, Robert H.		Southern Research Institute	24-Mar-23
L-117-2020/0	Shukla Bajpai, Priyanka		Southern Research Institute	24-Mar-23
L-117-2020/0	Torian, Udana M		Southern Research Institute	24-Mar-23
L-145-2021/0	Pegu, Amarendra		BioNTech AG	24-Mar-23
L-095-2022/0	Flynn, Barbara J.		BioNTech AG	24-Mar-23
L-095-2022/0	Francica, Joseph Richard		BioNTech AG	24-Mar-23
L-095-2022/0	Idris, Azza Hussein		BioNTech AG	24-Mar-23
L-095-2022/0	Kisalu, Neville Kielau		BioNTech AG	24-Mar-23
L-095-2022/0	Seder, Robert		BioNTech AG	24-Mar-23
L-095-2022/0	Vistein, Rachel Marie		BioNTech AG	24-Mar-23
L-095-2022/0	Wang, Lawrence Tsuchun		BioNTech AG	24-Mar-23
L-262-2020/0	(b) (4)		Sanofi Pasteur	27-Mar-23
L-262-2020/0			Sanofi Pasteur	27-Mar-23
L-262-2020/0			Sanofi Pasteur	27-Mar-23
L-078-2021/0			Icosagen AS	29-Mar-23
L-078-2021/0			Icosagen AS	29-Mar-23
L-078-2021/0			Icosagen AS	29-Mar-23

		(b) (4), (b) (6)							(b) (3) (A), (b) (4), (b) (6)
L-181-2014/0	Fink, Doran		InBios International Inc	30-Mar-23					
L-181-2014/0	Kubofcik, Joseph		InBios International Inc	30-Mar-23					
L-181-2014/0	Nutman, Thomas B.		InBios International Inc	30-Mar-23					
Note: L-181-2014/0 split between NIAID; NIDCR									
L-248-2015/1	Marques, Adriana		InBIos International, Inc.	30-Mar-23					
Note: L-248-2015/1 split between NIAID; NIDCR									
L-060-2022/0	Green, Lisbeth Kim		InBios International, Inc.	30-Mar-23					
L-060-2022/0	Sosnovtsev, Stanislav V		InBios International, Inc.	30-Mar-23					
					$546,089,920.27	$206,665.98	$546,296,586.25	$342,415,745.28	$203,880,840.97

NIH Patent Licensing Activities
NIAMS
October 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total October Income	License Cumulative Income	Inventor Awards October	Net Remaining to IC

NIH Patent Licensing Activities
NIAMS
November 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total November Income	License Cumulative Income	Inventor Awards November	Net Remaining to IC
L-054-2018/0	Plotz, Paul H.	(b) (4), (b) (6)	AVROBIO, Inc	14-Nov-22						(b) (3) (A), (b) (4), (b) (6)
L-054-2018/0	Raben, Nina		AVROBIO, Inc	14-Nov-22						
L-171-2019/0	Meylan, Francoise		Bio X Cell	23-Nov-22						
L-171-2019/0	Siegel, Richard		Bio X Cell	23-Nov-22						
L-171-2019/0	Song, Yun-Jeong		Bio X Cell	23-Nov-22						

NIH Patent Licensing Activities
NIAMS
December 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total December Income	License Cumulative Income	Inventor Awards December	Net Remaining to IC
L-076-2021/0	Chu, Emily Yin	(b) (4), (b) (6)	Petragen Inc.	2-Dec-22						(b) (3) (A), (b) (4), (b) (6)
L-076-2021/0	Foster, Brian Lee		Petragen Inc.	2-Dec-22						
L-076-2021/0	Nociti, Jr., Francisco H.		Petragen Inc.	2-Dec-22						
L-076-2021/0	Somerman, Martha J		Petragen Inc.	2-Dec-22						
L-076-2021/0	Thumbigere-Math, Vivek		Petragen Inc.	2-Dec-22						
L-076-2021/0	(b) (4)		Petragen Inc.	2-Dec-22						
L-076-2021/0	Chu, Emily Yin		Petragen Inc.	7-Dec-22						
L-076-2021/0	Foster, Brian Lee		Petragen Inc.	7-Dec-22						
L-076-2021/0	Nociti, Jr., Francisco H.		Petragen Inc.	7-Dec-22						
L-076-2021/0	Somerman, Martha J		Petragen Inc.	7-Dec-22						
L-076-2021/0	Thumbigere-Math, Vivek		Petragen Inc.	7-Dec-22						
L-076-2021/0	(b) (4)		Petragen Inc.	7-Dec-22						
L-243-2016/0	Rao, Mahendra S		StemCell Technologies Inc.	13-Dec-22						
Note: L-243-2016/0 split between NHLBI; NIA										
L-066-2005/1	Kinet, Jean-Pierre		President and Fellows of Harvard College	14-Dec-22						
Note: L-066-2005/1 split between NIAMS; NID										
L-066-2005/1	Kinet, Jean-Pierre		President and Fellows of Harvard College	14-Dec-22						
Note: L-066-2005/1 split between NIAMS; NIDCR										

NIH Patent Licensing Activities

NIAMS
January 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total January Income	License Cumulative Income	Inventor Awards January	Net Remaining to IC
L-006-2021/0	Kong, Heidi H.	(b) (4), (b)	Federation Bio	20-Jan-23						(b) (3) (A), (b) (4), (b) (6)

Note: L-006-2021/0 split between NHGRI; NIAMS

NIH Patent Licensing Activities
NIAMS
February 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total February Income	License Cumulative Income	Inventor Awards February	Net Remaining to IC
L-171-2019/0	Meylan, Francoise	(b) (4),	Bio X Cell	23-Feb-23						(b) (3) (A), (b) (4), (b) (6)
L-171-2019/0	Siegel, Richard	(b) (6)	Bio X Cell	23-Feb-23						
L-171-2019/0	Song, Yun-Jeong		Bio X Cell	23-Feb-23						

NIH Patent Licensing Activities
NIAMS
March 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total March Income	License Cumulative Income	Inventor Awards March	Net Remaining to IC
					$55,545.02	$0.00	$55,545.02		$18,566.22	$36,978.80

NIH Patent Licensing Activities
NIBIB
October 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total October Income	License Cumulative Income	Inventor Awards October	Net Remaining to IC

NIH Patent Licensing Activities
NIBIB
November 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total November Income	License Cumulative Income	Inventor Awards November	Net Remaining to IC

NIH Patent Licensing Activities
NIBIB
December 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total December Income	License Cumulative Income	Inventor Awards December	Net Remaining to IC
L-004-2019/0	Chen, Xiaoyuan	(b) (4), (b) (6)	Sinotau Pharmaceutical Group	22-Dec-22						(b) (3) (A), (b) (4), (b) (6)
L-004-2019/0	Weiss, Orit Jacobson		Sinotau Pharmaceutical Group	22-Dec-22						
L-214-2018/0	Parekh, Sapun		Yokogawa Electric Corporation	28-Dec-22						
L-214-2018/0	Shroff, Hari		Yokogawa Electric Corporation	28-Dec-22						
L-214-2018/0	York, Andrew G.		Yokogawa Electric Corporation	28-Dec-22						
Note: L-214-2018/0 split between NHLBI; NIBIB										
L-276-2018/1	NIBIB		Molecular Targeting Technologies, Inc	28-Dec-22						
L-276-2018/1	Chen, Xiaoyuan	(b) (4), (b) (6)	Molecular Targeting Technologies, Inc	28-Dec-22						
L-276-2018/1	Weiss, Orit Jacobson		Molecular Targeting Technologies, Inc	28-Dec-22						
L-315-2019/0	Chen, Xiaoyuan		Molecular Targeting Technologies, Inc	28-Dec-22						
L-315-2019/0	Weiss, Orit Jacobson		Molecular Targeting Technologies, Inc	28-Dec-22						
L-022-2021/0	Chen, Xiaoyuan		Molecular Targeting Technologies, Inc	28-Dec-22						
L-022-2021/0	Weiss, Orit Jacobson		Molecular Targeting Technologies, Inc	28-Dec-22						

NIH Patent Licensing Activities
NIBIB
January 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total January Income	License Cumulative Income	Inventor Awards January	Net Remaining to IC

NIH Patent Licensing Activities
NIBIB

February 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total February Income	License Cumulative Income	Inventor Awards February	Net Remaining to IC

NIH Patent Licensing Activities
NIBIB
March 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total March Income	License Cumulative Income	Inventor Awards March	Net Remaining to IC
L-214-2018/0	Parekh, Sapun	(b) (4), (b) (6)	Yokogawa Electric Corporation	30-Mar-23						(b) (3) (A), (b) (4), (b) (6)
L-214-2018/0	Shroff, Hari		Yokogawa Electric Corporation	30-Mar-23						
L-214-2018/0	York, Andrew G.		Yokogawa Electric Corporation	30-Mar-23						
					$146,750.39	$2,185.00	$148,935.39		$37,964.10	$110,971.29

Note: L-214-2018/0 split between NHLBI; NIBIB

NIH Patent Licensing Activities
NICHD
October 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total October Income	License Cumulative Income	Inventor Awards October	Net Remaining to IC
L-280-2014/1	Gandjbakhche, Amir H	(b) (4), (b) (6)	Arche Opitex Biomedical, Inc.	24-Oct-22						(b) (3) (A), (b) (4), (b) (6)
L-280-2014/1	(b) (4)		Arche Opitex Biomedical, Inc.	24-Oct-22						
L-280-2014/1	Riley, Jason D.		Arche Opitex Biomedical, Inc.	24-Oct-22						
Note: L-280-2014/1 split between NICHD; NINDS										
L-008-2021/0	Westphal, Heinrich		The Trustees of the University of Pennsy	24-Oct-22						

NIH Patent Licensing Activities
NICHD
November 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total November Income	License Cumulative Income	Inventor Awards November	Net Remaining to IC
L-061-2019/0	NICHD		Ultragenyx Pharmeceutical Inc	10-Nov-22						(b) (3) (A), (b) (4), (b) (6)
L-167-2017/0	NICHD		Cyprium Therapeutics Inc.	25-Nov-22						
L-207-2018/0	Chou, Janice Yang	(b) (4), (b) (6)	Generation Bio	28-Nov-22						

NIH Patent Licensing Activities
NICHD
December 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total December Income	License Cumulative Income	Inventor Awards December	Net Remaining to IC
L-026-2013/1	Blithe, Diana L.	(b) (4), (b) (6)	Preglem SA	6-Dec-22						(b) (3) (A), (b) (4), (b) (6)
L-026-2013/1	Nieman, Lynnette K.		Preglem SA	6-Dec-22						
L-069-2018/1	Chou, Janice Yang		Ultragenyx Pharmaceutical, Inc.	9-Dec-22						
L-061-2019/0	Chou, Janice Yang		Ultragenyx Pharmeceutical Inc	9-Dec-22						
L-105-2021/0	Chou, Janice Yang		GeneSpire	20-Dec-22						
L-190-2022/0	Basser, Peter J		Gold Standard Phantoms Limited	21-Dec-22						
L-190-2022/0	Horkay, Ferenc		Gold Standard Phantoms Limited	21-Dec-22						
L-190-2022/0	Pierpaoli, Carlo		Gold Standard Phantoms Limited	21-Dec-22						
L-167-2017/0	Kaler, Stephen G.		Cyprium Therapeutics Inc.	22-Dec-22						
L-192-2021/0	Westphal, Heinrich		Morphic Therapeutic	30-Dec-22						

NIH Patent Licensing Activities
NICHD

January 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total January Income	License Cumulative Income	Inventor Awards January	Net Remaining to IC
L-002-2009/1	Dressler, Gregory R.	(b) (4), (b) (6)	Life Tech	5-Jan-23					(b) (3) (A), (b) (4), (b) (6)	
L-096-2017/1	Chou, Janice Yang		Ultragenyx Pharmaceutical, Inc.	6-Jan-23						
L-124-2021/0	Chou, Janice Yang		Poseidon Innovation, LLC	6-Jan-23						
L-028-2022/0	Forlino, Antonella		Ultragenyx Pharmaceutical, Inc.	6-Jan-23						
L-028-2022/0	Marini, Joan Carol		Ultragenyx Pharmaceutical, Inc.	6-Jan-23						
L-261-2014/1	Blithe, Diana L.		Laboratorie HRA Pharma Corporation	11-Jan-23						
L-261-2014/1	Nieman, Lynnette K.		Laboratorie HRA Pharma Corporation	11-Jan-23						
L-215-2014/0	Bridson, William E.		Quest Diagnostics, Inc.	12-Jan-23						
L-215-2014/0	Hertz, Roy		Quest Diagnostics, Inc.	12-Jan-23						
L-215-2014/0	Kingfield, Joyce G.		Quest Diagnostics, Inc.	12-Jan-23						
L-215-2014/0	Kohler, Peter O		Quest Diagnostics, Inc.	12-Jan-23						

NIH Patent Licensing Activities
NICHD
February 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total February Income	License Cumulative Income	Inventor Awards February	Net Remaining to IC
L-132-2004/2	Klein, David C.	(b) (4), (b) (6)	Santa Cruz Biotechnology Inc	1-Feb-23					(b) (3) (A), (b) (4), (b) (6)	
L-132-2004/2	Moffett, John R		Santa Cruz Biotechnology Inc	1-Feb-23						
L-132-2004/2	Namboodiri, Aryan M		Santa Cruz Biotechnology Inc	1-Feb-23						
L-132-2004/2	Roseboom, Patrick		Santa Cruz Biotechnology Inc	1-Feb-23						
L-132-2004/2	Weller, Joan		Santa Cruz Biotechnology Inc	1-Feb-23						
L-254-2002/2	Deligiannidis, Kristina M Galarneau		Millipore Sigma	21-Feb-23						
L-254-2002/2	Klein, David C.		Millipore Sigma	21-Feb-23						
L-254-2002/2	(b) (4)		Millipore Sigma	21-Feb-23						
L-254-2002/2	Weller, Joan		Millipore Sigma	21-Feb-23						
L-075-2014/0	Huang, Freesia		Millipore Sigma	21-Feb-23						
L-075-2014/0	Huang, Kuo-Ping		Millipore Sigma	21-Feb-23						
L-180-2014/0	Dey, Anup K		Millipore Sigma	21-Feb-23						
L-180-2014/0	Ozato Dawid, Keiko		Millipore Sigma	21-Feb-23						
L-242-2015/0	Buonanno, Andres		Millipore Sigma	21-Feb-23						
L-242-2015/0	Karavanov, Irina		Millipore Sigma	21-Feb-23						
L-242-2015/0	Vullhorst, Detlef		Millipore Sigma	21-Feb-23						
L-079-2018/0	Buonanno, Andres		Millipore Sigma	21-Feb-23						
L-079-2018/0	Vullhorst, Detlef		Millipore Sigma	21-Feb-23						
L-204-2002/2	Chumakov, Ekaterina		Novus Biologicals, LLC	27-Feb-23						
L-204-2002/2	McDonald, John		Novus Biologicals, LLC	27-Feb-23						

L-204-2002/2	Woodgate, Roger	(b) (4), (b) (6)	Novus Biologicals, LLC	27-Feb-23	(b) (3) (A), (b) (4), (b) (6)
L-240-2002/2	Deligiannidis, Kristina M Galarneau		Novus Biologicals Inc	27-Feb-23	
L-240-2002/2	Klein, David C.		Novus Biologicals Inc	27-Feb-23	
L-240-2002/2	(b) (4)		Novus Biologicals Inc	27-Feb-23	
L-240-2002/2	Weller, Joan		Novus Biologicals Inc	27-Feb-23	

NIH Patent Licensing Activities
NICHD
March 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total March Income	License Cumulative Income	Inventor Awards March	Net Remaining to IC
L-033-1997/2	Dressler, Gregory R.	(b) (4), (b) (6)	Biolegend, Inc	2-Mar-23	(b) (3) (A), (b) (4), (b) (6)					
L-002-2009/1	Dressler, Gregory R.		Life Tech	21-Mar-23						
L-213-2021/0	NICHD		SubRed Pty Ltd.	31-Mar-23						
					$528,302.24	$134,297.41	$662,599.65		$140,737.18	$521,862.47

NIH Patent Licensing Activities
NIDA
October 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total October Income	License Cumulative Income	Inventor Awards October	Net Remaining to IC
L-195-2022/0	Backman, Cristina M	(b) (4), (b) (6)	Inscopix	18-Oct-22						(b) (3) (A), (b) (4), (b) (6)
L-195-2022/0	Tomac, Andreas C		Inscopix	18-Oct-22						

NIH Patent Licensing Activities
NIDA
November 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total November Income	License Cumulative Income	Inventor Awards November	Net Remaining to IC

NIH Patent Licensing Activities
NIDA
December 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total December Income	License Cumulative Income	Inventor Awards December	Net Remaining to IC
L-070-2003/2	Wise, Roy A	(b) (4), (b) (6)	Brainsway, Inc.	1-Dec-22						(b) (3) (A), (b) (4), (b) (6)
L-070-2003/2	Zangen, Abraham		Brainsway, Inc.	1-Dec-22						
Note: L-070-2003/2 split between NIDA; NINDS										
L-067-2021/0	Backman, Cristina M	(b) (4), (b) (6)	Cajal Neuroscience, Inc.	6-Dec-22						
L-067-2021/0	Tomac, Andreas C		Cajal Neuroscience, Inc.	6-Dec-22						
L-162-2016/3	Rice, Kenner C.		Inversago Pharma Inc.	13-Dec-22						
Note: L-162-2016/3 split between NIAAA; N										

NIH Patent Licensing Activities
NIDA
January 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total January Income	License Cumulative Income	Inventor Awards January	Net Remaining to IC
L-055-2020/0	Backman, Cristina M	(b) (4), (b) (6)	allyope, Inc	20-Jan-23						(b) (3) (A), (b) (4), (b) (6)
L-055-2020/0	Tomac, Andreas C		allyope, Inc	20-Jan-23						

NIH Patent Licensing Activities
NIDA

February 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total February Income	License Cumulative Income	Inventor Awards February	Net Remaining to IC

NIH Patent Licensing Activities
NIDA
March 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total March Income	License Cumulative Income	Inventor Awards March	Net Remaining to IC
					$53,345.00	$0.00	$53,345.00		$14,573.75	$38,771.25

NIH Patent Licensing Activities
NIDCD
October 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total October Income	License Cumulative Income	Inventor Awards October	Net Remaining to IC

NIH Patent Licensing Activities
NIDCD
November 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total November Income	License Cumulative Income	Inventor Awards November	Net Remaining to IC
L-078-2018/0	NIDCD		miRecule	17-Nov-22		$1,410.00	$1,410.00	$0.00		$1,410.00

NIH Patent Licensing Activities
NIDCD
December 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total December Income	License Cumulative Income	Inventor Awards December	Net Remaining to IC

NIH Patent Licensing Activities
NIDCD
January 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total January Income	License Cumulative Income	Inventor Awards January	Net Remaining to IC
L-111-2006/0	Selbie, W. Scott	(b) (4), (b) (6)	ICAD Inc	12-Jan-23						(b) (3) (A), (b) (4), (b) (6)
Note: L-111-2006/0 split between CC; CIT; NIDCD										
L-211-2019/0	Canseco De Kalinec, Gilda Mabel		Applied Biological Materials Inc.	12-Jan-23						
L-211-2019/0	Kalinec, Federico		Applied Biological Materials Inc.	12-Jan-23						
L-152-2021/0	Bush, Ronald Avery		VegaVect, Inc.	12-Jan-23						
L-152-2021/0	Sieving, Paul Albert		VegaVect, Inc.	12-Jan-23						
L-152-2021/0	Song, Hongman		VegaVect, Inc.	12-Jan-23						
L-152-2021/0	Zeng, Yong		VegaVect, Inc.	12-Jan-23						
Note: L-152-2021/0 split between NEI; NIDCD										

NIH Patent Licensing Activities
NIDCD
February 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total February Income	License Cumulative Income	Inventor Awards February	Net Remaining to IC
L-078-2018/0	Chen, Zhong	(b) (4), (b) (6)	miRecule	1-Feb-23						(b) (3) (A), (b) (4), (b) (6)
L-078-2018/0	Cheng, Hui		miRecule	1-Feb-23						

(b) (3) (A), (b) (4), (b) (6)

L-078-2018/0	Saleh, Anthony	(b) (4),	miRecule	1-Feb-23
L-078-2018/0	Van Waes, Carter	(b) (6)	miRecule	1-Feb-23
L-179-2014/0	Montcouquiol, Mireille		Millipore Sigma	21-Feb-23
L-154-2016/0	Griffith, Andrew J.		Millipore Sigma	21-Feb-23
L-154-2016/0	Labay, Valentina		Millipore Sigma	21-Feb-23
L-154-2016/0	Makishima, Tomoko		Millipore Sigma	21-Feb-23

NIH Patent Licensing Activities
NIDCD
March 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total March Income	License Cumulative Income	Inventor Awards March	Net Remaining to IC
					$7,047.34	$1,410.00	$8,457.34		$5,990.94	$2,466.40

NIH Patent Licensing Activities
NIDCR
October 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total October Income	License Cumulative Income	Inventor Awards October	Net Remaining to IC

NIH Patent Licensing Activities
NIDCR
November 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total November Income	License Cumulative Income	Inventor Awards November	Net Remaining to IC
L-152-2017/0	Akiyama, Steven	(b) (4), (b) (6)	Millipore Sigma	22-Nov-22						(b) (3) (A), (b) (4), (b) (6)
L-152-2017/0	Yamada, Kenneth		Millipore Sigma	22-Nov-22						
L-152-2017/0	Yamada, Susan Sleeper		Millipore Sigma	22-Nov-22						

NIH Patent Licensing Activities
NIDCR
December 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total December Income	License Cumulative Income	Inventor Awards December	Net Remaining to IC
L-072-2010/0	NIDCR		Mesoblast Inc.	1-Dec-22						(b) (3) (A), (b) (4), (b) (6)
L-154-2022/0	Burbelo, Peter D.	(b) (4), (b) (6)	Big Eye Diagnostics Inc	2-Dec-22						
Note: L-154-2022/0 split between NIAID; NIDCR										
L-115-2020/0	NIDCR		Kriya Therapeutics, Inc.	9-Dec-22						
L-171-2008/1	Siraganian, Reuben	(b) (4), (b) (6)	BD Biosciences	12-Dec-22						
L-066-2005/1	Siraganian, Reuben		President and Fellows of Harvard College	14-Dec-22						
Note: L-066-2005/1 split between NIAMS; NIDCR										
L-066-2005/1	Siraganian, Reuben	(b) (4), (b) (6)	President and Fellows of Harvard College	14-Dec-22						
Note: L-066-2005/1 split between NIAMS; NIDCR										
L-048-2003/1	Elkin, Michael		Lees Pharmaceutical (HK) LTD	29-Dec-22						
L-048-2003/1	Kleinman, Hynda		Lees Pharmaceutical (HK) LTD	29-Dec-22						
L-048-2003/1	Philp, Deborah		Lees Pharmaceutical (HK) LTD	29-Dec-22						
L-115-2000/2	Leppla, Stephen H.		List Biological Laboratories, Inc.	30-Dec-22						
Note: L-115-2000/2 split between NIAID; NIDCR										

NIH Patent Licensing Activities
NIDCR
January 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total January Income	License Cumulative Income	Inventor Awards January	Net Remaining to IC
L-171-2008/1	Siraganian, Reuben	(b) (4), (b) (6)	BD Biosciences	4-Jan-23						(b) (3) (A), (b) (4), (b) (6)
L-111-2017/0	Akiyama, Steven		BD Biosciences	4-Jan-23						
L-111-2017/0	Yamada, Kenneth		BD Biosciences	4-Jan-23						

NIH Patent Licensing Activities
NIDCR
February 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. M	Patent	Total February	License Cumulative	Inventor Awards	Net Remaining to
L-153-2007/2	Fisher, Larry	(b) (4), (b) (6)	Santa Cruz Biotech., Inc.	1-Feb-23						(b) (3) (A), (b) (4), (b) (6)
L-153-2007/2	Fisher, Larry		Santa Cruz Biotech., Inc.	1-Feb-23						
L-078-2015/0	Chiorini, John A.		Spark Therapeutics, Inc.	1-Feb-23						
L-078-2015/0	Kaludov, Nikola		Spark Therapeutics, Inc.	1-Feb-23						
L-152-2002/4	Leppla, Stephen H.		Emergent BioDefense Operations Lansing I	2-Feb-23						
L-152-2002/4	Park, Sukjoon		Emergent BioDefense Operations Lansing I	2-Feb-23						
L-152-2002/4	Quinn, Conrad P.		Emergent BioDefense Operations Lansing I	2-Feb-23						
L-152-2002/4	Singh, Yogendra		Emergent BioDefense Operations Lansing I	2-Feb-23						
Note: L-152-2002/4 split between NIAID; NIDCR										
L-115-2000/2	Leppla, Stephen H.	(b) (4), (b) (6)	List Biological Laboratories, Inc.	15-Feb-23						
Note: L-115-2000/2 split between NIAID; NIDC										
L-233-2014/0	Fisher, Larry	(b) (4), (b) (6)	Millipore Sigma	21-Feb-23						
L-152-2017/0	Akiyama, Steven		Millipore Sigma	21-Feb-23						
L-152-2017/0	Yamada, Kenneth		Millipore Sigma	21-Feb-23						
L-152-2017/0	Yamada, Susan Sleeper		Millipore Sigma	21-Feb-23						
L-102-2009/1	Siraganian, Reuben		Bio-Rad AbD	28-Feb-23						

NIH Patent Licensing Activities
NIDCR
March 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total March Income	License Cumulative Income	Inventor Awards March	Net Remaining to IC
L-333-2014/0	Burbelo, Peter D.	(b) (4), (b) (6)	PATH Vaccine Solutions	3-Mar-23						(b) (3) (A), (b) (4), (b) (6)
Note: L-333-2014/0 split between NIAID; NIDCR										
L-171-2008/1	Siraganian, Reuben		BD Biosciences	13-Mar-23						
L-111-2017/0	Akiyama, Steven		BD Biosciences	13-Mar-23						
L-111-2017/0	Yamada, Kenneth		BD Biosciences	13-Mar-23						

										(b) (3) (A), (b) (4), (b) (6)
L-181-2014/0	Burbelo, Peter D.	(b) (4), (b) (6)	InBios International Inc	30-Mar-23						
Note: L-181-2014/0 split between NIAID; NIDC										
L-248-2015/1	Burbelo, Peter D.		InBIos International, Inc.	30-Mar-23						
L-248-2015/1	Iadarola, Michael J.		InBIos International, Inc.	30-Mar-23						
Note: L-248-2015/1 split between NIAID; NIDCR										
					$96,655.28	$28,297.00	$124,952.28		$27,407.90	$97,544.38

NIH Patent Licensing Activities
NIDDK
October 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total October Income	License Cumulative Income	Inventor Awards October	Net Remaining to IC
L-129-2015/4	Proia, Richard L	(b) (4), (b) (6)	Genzyme Corporation	24-Oct-22						(b) (3) (A), (b) (4), (b) (6)

NIH Patent Licensing Activities
NIDDK
November 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total November Income	License Cumulative Income	Inventor Awards November	Net Remaining to IC
L-143-2007/2	Schechter, Alan N.	(b) (4), (b) (6)	Hope Pharmaceuticals	15-Nov-22						(b) (3) (A), (b) (4), (b) (6)
Note: L-143-2007/2 split between CC; NHLBI; NIDDK										
L-159-2007/2	Schechter, Alan N.	(b) (4), (b) (6)	Hope Pharmaceuticals	15-Nov-22						
Note: L-159-2007/2 split between CC; NHLBI; NIDDK; NINDS										
L-145-2019/0	Schechter, Alan N.	(b) (4), (b) (6)	Globin Solutions, Inc	23-Nov-22						
Note: L-145-2019/0 split between CC; NHLBI; NIDDK; NINDS										

NIH Patent Licensing Activities
NIDDK
December 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total December Income	License Cumulative Income	Inventor Awards December	Net Remaining to IC
L-100-2022/0	Rane, Sushil Gopal	(b) (4), (b) (6)	Pliant Therapeutics, Inc.	13-Dec-22						(b) (3) (A), (b) (4), (b) (6)
Note: L-100-2022/0 split between NCI; NIDDK										

NIH Patent Licensing Activities
NIDDK
January 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total January Income	License Cumulative Income	Inventor Awards January	Net Remaining to IC
L-033-2019/0	Goldsmith, Paul K	(b) (4), (b) (6)	Bio-Techne Corporation	6-Jan-23						(b) (3) (A), (b) (4), (b) (6)
L-033-2019/0	Spiegel, Allen M.		Bio-Techne Corporation	6-Jan-23						
L-120-2018/1	Rehermann, Barbara		Taconic Biosciences, Inc.	11-Jan-23						
L-120-2018/1	Rosshart, Stephan Patrick		Taconic Biosciences, Inc.	11-Jan-23						
L-283-2017/0	Jacobson, Kenneth A		Tocris Cookson Ltd.	13-Jan-23						
L-283-2017/0	Tosh, Dilip K.		Tocris Cookson Ltd.	13-Jan-23						

					(b) (3) (A), (b) (4), (b) (6)
L-111-2022/0	Phue, Je-Nie	(b) (4), (b) (6)	Novartis Pharma AG	30-Jan-23	
L-111-2022/0	Shiloach, Joseph		Novartis Pharma AG	30-Jan-23	

Note: L-111-2022/0 split between NCI; NIDDK

NIH Patent Licensing Activities
NIDDK
February 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total February Income	License Cumulative Income	Inventor Awards February	Net Remaining to IC
L-001-2014/1	Proia, Richard L	(b) (4), (b) (6)	Millipore Sigma	21-Feb-23						(b) (3) (A), (b) (4), (b) (6)
L-173-2015/3	Ge, Kai		Millipore Sigma	21-Feb-23						
L-173-2015/3	Lee, Ji-Eun		Millipore Sigma	21-Feb-23						
L-033-2019/0	Goldsmith, Paul K		Bio-Techne Corporation	27-Feb-23						
L-033-2019/0	Spiegel, Allen M.		Bio-Techne Corporation	27-Feb-23						

NIH Patent Licensing Activities
NIDDK
March 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total March Income	License Cumulative Income	Inventor Awards March	Net Remaining to IC
L-149-2017/0	Oral, Elif A.	(b) (4), (b) (6)	Aegerion Pha rmaceuticals, Inc.	6-Mar-23						(b) (3) (A), (b) (4), (b) (6)
L-149-2017/0	Taylor, Simeon		Aegerion Pha rmaceuticals, Inc.	6-Mar-23						
L-038-2023/0	Deng, Chuxia		Altos Labs	7-Mar-23						
					$166,155.38	$0.00	$166,155.38		$39,912.35	$126,243.03

NIH Patent Licensing Activities
NIEHS
October 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total October Income	License Cumulative Income	Inventor Awards October	Net Remaining to IC

NIH Patent Licensing Activities
NIEHS
November 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total November Income	License Cumulative Income	Inventor Awards November	Net Remaining to IC

NIH Patent Licensing Activities
NIEHS
December 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total December Income	License Cumulative Income	Inventor Awards December	Net Remaining to IC

NIH Patent Licensing Activities
NIEHS
January 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total January Income	License Cumulative Income	Inventor Awards January	Net Remaining to IC
L-079-2016/3	Baek, Seung Joon	(b) (4), (b) (6)	Janssen Research & Development, LLC	18-Jan-23	(b) (3) (A), (b) (4), (b) (6)					
L-079-2016/3	Eling, Thomas E.		Janssen Research & Development, LLC	18-Jan-23						

NIH Patent Licensing Activities
NIEHS
February 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total February Income	License Cumulative Income	Inventor Awards February	Net Remaining to IC
L-144-2004/3	Ehrenshaft, Marilyn I	(b) (4), (b) (6)	Cayman Chemical Company	15-Feb-23	(b) (3) (A), (b) (4), (b) (6)					
L-144-2004/3	Mason, Ronald P.		Cayman Chemical Company	15-Feb-23						
L-244-2016/1	(b) (4)		Sumitomo Pharmaceuticals	15-Feb-23						
L-244-2016/1	Moore, Rickie		Sumitomo Pharmaceuticals	15-Feb-23						
L-244-2016/1	Negishi, Masahiko		Sumitomo Pharmaceuticals	15-Feb-23						
L-013-2015/0	Cidlowski, John A.		Millipore Sigma	21-Feb-23						
L-013-2015/0	Oakley, Robert		Millipore Sigma	21-Feb-23						

NIH Patent Licensing Activities
NIEHS
March 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total March Income	License Cumulative Income	Inventor Awards March	Net Remaining to IC
L-131-1996/1	Cidlowski, John A.	(b) (4), (b) (6)	Pierce Biotechnology, Inc.	21-Mar-23						(b) (3) (A), (b) (4), (b) (6)
L-131-1996/1	Oakley, Robert		Pierce Biotechnology, Inc.	21-Mar-23						
L-042-2001/3	Beckley, Amy J.		Pierce Biotechnology	21-Mar-23						
L-042-2001/3	Cidlowski, John A.		Pierce Biotechnology	21-Mar-23						
					$29,463.74	$0.00	$29,463.74		$15,651.24	$13,812.50

NIH Patent Licensing Activities
NIMH
October 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total October Income	License Cumulative Income	Inventor Awards October	Net Remaining to IC
L-026-2019/0	Swedo, Susan E.	(b) (4), (b) (6)	Board of Regents of the University of Ok	20-Oct-22						(b) (3) (A), (b) (4), (b) (6)
L-026-2019/0	Swedo, Susan E.		Board of Regents of the University of Ok	20-Oct-22						
L-026-2019/0	Swedo, Susan E.		Board of Regents of the University of Ok	20-Oct-22						
L-261-2016/0	Eiden, Maribeth V.		Fred Hutchinson Cancer Research Center	27-Oct-22						
L-261-2016/0	Wilson, Carolyn A.		Fred Hutchinson Cancer Research Center	27-Oct-22						

NIH Patent Licensing Activities
NIMH
November 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total November Income	License Cumulative Income	Inventor Awards November	Net Remaining to IC
L-050-2011/4	Dold, George R.	(b) (4), (b) (6)	Passy-Muir	23-Nov-22						(b) (3) (A), (b) (4), (b) (6)
L-050-2011/4	Morgan, Newlin T.		Passy-Muir	23-Nov-22						

Note: L-050-2011/4 split between NIMH; NINDS

NIH Patent Licensing Activities
NIMH
December 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total December Income	License Cumulative Income	Inventor Awards December	Net Remaining to IC
L-027-2023/0	Lee, Heon-Jin	(b) (4), (b) (6)	Altos Labs	13-Dec-22						(b) (3) (A), (b) (4), (b) (6)
L-027-2023/0	Young III, Walter Scott		Altos Labs	13-Dec-22						
L-026-2019/0	Swedo, Susan E.		Board of Regents of the University of Ok	22-Dec-22						

NIH Patent Licensing Activities
NIMH
January 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total January Income	License Cumulative Income	Inventor Awards January	Net Remaining to IC
L-185-2020/0	Drevets, Wayne C	(b) (4), (b) (6)	Defender Pharmaceuticals, Inc	4-Jan-23						(b) (3) (A), (b) (4), (b) (6)
L-185-2020/0	Furey, Maura L.		Defender Pharmaceuticals, Inc	4-Jan-23						
L-252-2020/1	Ginns, Edward I.		GT Gain Therapeutics SA	16-Jan-23						
L-252-2020/1	LaMarca, (b) (6) Mary		GT Gain Therapeutics SA	16-Jan-23						

L-018-2010/0	Manji, Husseini K.	(b) (4),	Mount Sinai Med Cntr	27-Jan-23	(b) (3) (A), (b) (4), (b) (6)
L-018-2010/0	Zarate, Carlos A.	(b) (6)	Mount Sinai Med Cntr	27-Jan-23	
L-026-2019/0	Swedo, Susan E.		Board of Regents of the University of Ok	30-Jan-23	

NIH Patent Licensing Activities
NIMH
February 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total February Income	License Cumulative Income	Inventor Awards February	Net Remaining to IC
L-032-2021/0	Ginns, Edward I.	(b) (4),	GlaxoSmithKline Research & Development L	9-Feb-23	(b) (3) (A), (b) (4), (b) (6)					
L-032-2021/0	LaMarca, (b) (6) Mary	(b) (6)	GlaxoSmithKline Research & Development L	9-Feb-23						
L-167-1993/0	Bonner, Tom I		Eurofins Panlabs, Inc.	10-Feb-23						
L-167-1993/0	Brownstein, Michael J.		Eurofins Panlabs, Inc.	10-Feb-23						
L-167-1993/0	Matsuda, Lisa A.		Eurofins Panlabs, Inc.	10-Feb-23						
L-213-1994/1	Mahan, Lawrence C.		Eurofins Panlabs	10-Feb-23						

Note: L-213-1994/1 split between NIMH; NINDS

NIH Patent Licensing Activities
NIMH
March 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total March Income	License Cumulative Income	Inventor Awards March	Net Remaining to IC
L-160-2021/0	Cohen, Robert M.	(b) (4),	Biogen	17-Mar-23	(b) (3) (A), (b) (4), (b) (6)					
L-160-2021/0	Ye, Daniel	(b) (6)	Biogen	17-Mar-23						
					$542,401.80	$0.00	$542,401.80		$132,578.33	$409,823.47

NIH Patent Licensing Activities
NINDS
October 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total October Income	License Cumulative Income	Inventor Awards October	Net Remaining to IC
L-280-2014/1	Amyot, Franck	(b) (4),	Arche Opitex Biomedical, Inc.	24-Oct-22						(b) (3) (A), (b) (4), (b) (6)
L-280-2014/1	Wasserman, Eric M.	(b) (6)	Arche Opitex Biomedical, Inc.	24-Oct-22						
Note: L-280-2014/1 split between NICHD; NINDS										
L-133-2021/1	Bharti, Kapil		AbbVie, Inc.	24-Oct-22						
Note: L-133-2021/1 split between NEI; NINDS										
L-007-2019/0	Hsu, Yi-Te		Abcam plc	28-Oct-22						
L-007-2019/0	Youle, Richard J.		Abcam plc	28-Oct-22						

NIH Patent Licensing Activities
NINDS
November 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total November Income	License Cumulative Income	Inventor Awards November	Net Remaining to IC
L-159-2007/2	Oldfield, (b) (6) Edward H.	(b) (4),	Hope Pharmaceuticals	15-Nov-22						(b) (3) (A), (b) (4), (b) (6)
L-159-2007/2	Pluta, Ryszard M	(b) (6)	Hope Pharmaceuticals	15-Nov-22						
Note: L-159-2007/2 split between CC; NHLBI; NIDDK; NIN										
L-050-2011/4	Humbert, Ianessa A.		Passy-Muir	23-Nov-22						
L-050-2011/4	Lowell, Soren Y		Passy-Muir	23-Nov-22						
L-050-2011/4	Ludlow, Christy L.		Passy-Muir	23-Nov-22						
L-050-2011/4	Poletto, Christopher J.		Passy-Muir	23-Nov-22						
Note: L-050-2011/4 split between NIMH; NINDS										
L-145-2019/0	Oldfield, (b) (6) Edward H.		Globin Solutions, Inc	23-Nov-22						
L-145-2019/0	Pluta, Ryszard M		Globin Solutions, Inc	23-Nov-22						
Note: L-145-2019/0 split between CC; NHLBI; NIDDK; NIND										

NIH Patent Licensing Activities
NINDS
December 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total December Income	License Cumulative Income	Inventor Awards December	Net Remaining to IC
L-070-2003/2	Hallett, Mark	(b) (4),	Brainsway, Inc.	1-Dec-22						(b) (3) (A), (b) (4), (b) (6)
L-070-2003/2	Miranda, Pedro	(b) (6)	Brainsway, Inc.	1-Dec-22						
L-070-2003/2	Roth, Yiftach		Brainsway, Inc.	1-Dec-22						
Note: L-070-2003/2 split between NIDA; NINDS										
L-032-2019/1	Jin, Seok-Min		Mitokinin	2-Dec-22						
L-032-2019/1	Youle, Richard J.		Mitokinin	2-Dec-22						
L-132-2017/0	Warach, Steven J.		CereDx Inc.	28-Dec-22						

Note: L-132-2017/0 split between NIA; NINDS; NINR

NIH Patent Licensing Activities
NINDS
January 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total January Income	License Cumulative Income	Inventor Awards January	Net Remaining to IC
L-002-2019/0	Lee, Myoung Hwa	(b) (4),	Geneuro SA	3-Jan-23						(b) (3) (A), (b) (4), (b) (6)
L-002-2019/0	Li, Wenxue	(b) (6)	Geneuro SA	3-Jan-23						
L-002-2019/0	Nath, Avindra		Geneuro SA	3-Jan-23						
L-002-2019/0	Steiner, Joseph Perry		Geneuro SA	3-Jan-23						
L-084-1997/4	Hsu, Yi-Te		BD Biosciences	4-Jan-23						
L-084-1997/4	Youle, Richard J.		BD Biosciences	4-Jan-23						
L-008-2008/1	Hsu, Yi-Te		Biolegend	4-Jan-23						
L-008-2008/1	Youle, Richard J.		Biolegend	4-Jan-23						
L-058-2013/2	Hou, Jean		BioLegend	4-Jan-23						
L-058-2013/2	Major, Eugene O		BioLegend	4-Jan-23						
L-058-2013/2	Messam, Conrad A.		BioLegend	4-Jan-23						
L-198-2017/0	Dobersen, Michael J		BioLegend	4-Jan-23						
L-198-2017/0	Hammer, Jeffrey A.		BioLegend	4-Jan-23						
L-198-2017/0	Noronha, Antonio B		BioLegend	4-Jan-23						
L-198-2017/0	Quarles, (b) (6) Richard H.		BioLegend	4-Jan-23						
L-053-2000/2	Hsu, Yi-Te		eBioscience, Inc.	5-Jan-23						
L-053-2000/2	Youle, Richard J.		eBioscience, Inc.	5-Jan-23						
L-144-2008/1	Hou, Jean		Affymetrix, Inc.	5-Jan-23						
L-144-2008/1	Major, Eugene O		Affymetrix, Inc.	5-Jan-23						
L-144-2008/1	Messam, Conrad A.		Affymetrix, Inc.	5-Jan-23						
L-182-2004/2	Hou, Jean		Novus Biologicals Inc	6-Jan-23						
L-182-2004/2	Major, Eugene O		Novus Biologicals Inc	6-Jan-23						
L-182-2004/2	Messam, Conrad A.		Novus Biologicals Inc	6-Jan-23						
L-235-1997/3	Hsu, Yi-Te		Southern Biotechnology Associates, Inc.	19-Jan-23						
L-235-1997/3	Youle, Richard J.		Southern Biotechnology Associates, Inc.	19-Jan-23						
L-007-2019/0	Hsu, Yi-Te		Abcam plc	26-Jan-23						
L-007-2019/0	Youle, Richard J.		Abcam plc	26-Jan-23						
L-053-2000/2	Hsu, Yi-Te		eBioscience, Inc.	30-Jan-23						
L-053-2000/2	Youle, Richard J.		eBioscience, Inc.	30-Jan-23						

NIH Patent Licensing Activities
NINDS
February 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total February Income	License Cumulative Income	Inventor Awards February	Net Remaining to IC
L-130-2002/1	Hsu, Yi-Te	(b) (4),	Santa Cruz Biotechnology Inc	1-Feb-23						(b) (3) (A), (b) (4), (b) (6)
L-130-2002/1	Youle, Richard J.	(b) (6)	Santa Cruz Biotechnology Inc	1-Feb-23						
L-031-2004/1	Hou, Jean		Santa Cruz Biotechnology	1-Feb-23						
L-031-2004/1	Major, Eugene O		Santa Cruz Biotechnology	1-Feb-23						
L-031-2004/1	Messam, Conrad A.		Santa Cruz Biotechnology	1-Feb-23						
L-123-2004/2	Hsu, Yi-Te		Santa Cruz Biotechnology Inc	1-Feb-23						
L-123-2004/2	Youle, Richard J.		Santa Cruz Biotechnology Inc	1-Feb-23						
L-123-2004/2	Hsu, Yi-Te		Santa Cruz Biotechnology Inc	1-Feb-23						
L-123-2004/2	Youle, Richard J.		Santa Cruz Biotechnology Inc	1-Feb-23						
L-077-2008/1	Hsu, Yi-Te		Santa Cruz Biotechnology Inc	1-Feb-23						
L-077-2008/1	Youle, Richard J.		Santa Cruz Biotechnology Inc	1-Feb-23						
L-091-1998/3	Hsu, Yi-Te		NeoMarkers, Inc.	8-Feb-23						
L-091-1998/3	Youle, Richard J.		NeoMarkers, Inc.	8-Feb-23						
L-012-2001/2	Hsu, Yi-Te		NeoMarkers, Inc.	8-Feb-23						
L-012-2001/2	Youle, Richard J.		NeoMarkers, Inc.	8-Feb-23						
L-213-1994/1	McVittie, Loris D.		Eurofins Panlabs	10-Feb-23						
L-213-1994/1	Monsma, Jr., Frederick J.		Eurofins Panlabs	10-Feb-23						
L-213-1994/1	Sibley, David R.		Eurofins Panlabs	10-Feb-23						
Note: L-213-1994/1 split between NIMH; NINDS										
L-214-1994/0	Brann, (b) (6) Mark R		Eurofins Panlabs, Inc.	10-Feb-23						
L-214-1994/0	Stormann, Thomas M.		Eurofins Panlabs, Inc.	10-Feb-23						
L-136-1995/0	Hamblin, Mark		Eurofins Panlabs, Inc.	10-Feb-23						
L-136-1995/0	Sibley, David R.		Eurofins Panlabs, Inc.	10-Feb-23						
L-050-2021/0	Bharti, Kapil		CellRay, LLC	17-Feb-23						
Note: L-050-2021/0 split between NEI; NINDS										
L-208-2001/3	Hou, Jean		Millipore Sigma	21-Feb-23						
L-208-2001/3	Major, Eugene O		Millipore Sigma	21-Feb-23						
L-208-2001/3	Messam, Conrad A.		Millipore Sigma	21-Feb-23						
L-309-2002/2	Hou, Jean		Millipore Sigma	21-Feb-23						
L-309-2002/2	Major, Eugene O		Millipore Sigma	21-Feb-23						
L-309-2002/2	Messam, Conrad A.		Millipore Sigma	21-Feb-23						
L-264-2014/0	Gainer, Harold		Millipore Sigma	21-Feb-23						
L-091-2015/0	Hsu, Yi-Te		Millipore Sigma	21-Feb-23						
L-091-2015/0	Youle, Richard J.		Millipore Sigma	21-Feb-23						
L-167-2015/0	Blackstone, Craig D.		Millipore Sigma	21-Feb-23						
L-167-2015/0	Zhu, Peng-Peng		Millipore Sigma	21-Feb-23						
L-182-2004/2	Hou, Jean		Novus Biologicals Inc	27-Feb-23						

L-182-2004/2	Major, Eugene O	(b) (4),	Novus Biologicals Inc	27-Feb-23	(b) (3) (A), (b) (4), (b) (6)						
L-182-2004/2	Messam, Conrad A.	(b) (6)	Novus Biologicals Inc	27-Feb-23							

NIH Patent Licensing Activities
NINDS
March 2023

License	Inventor	Inventor Sh	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total March Income	License Cumulative Income	Inventor Awards March	Net Remaining to IC
L-065-2003/2	Hsu, Yi-Te	(b) (4),	iolegend	2-Mar-23	(b) (3) (A), (b) (4), (b) (6)					
L-065-2003/2	Youle, Richard J.	(b) (6)	iolegend	2-Mar-23						
L-008-2008/1	Hsu, Yi-Te		iolegend	2-Mar-23						
L-008-2008/1	Youle, Richard J.		iolegend	2-Mar-23						
L-058-2013/2	Hou, Jean		ioLegend	2-Mar-23						
L-058-2013/2	Major, Eugene O		ioLegend	2-Mar-23						
L-058-2013/2	Messam, Conrad A.		ioLegend	2-Mar-23						
L-138-2022/0	Badger II, John D.		MD Millipore Coqrporation	13-Mar-23						
L-138-2022/0	Nguyen, Thien Anh		MD Millipore Coqrporation	13-Mar-23						
L-138-2022/0	Roche, Katherine W.		MD Millipore Coqrporation	13-Mar-23						
L-139-2022/0	Badger II, John D.		MD Millipore Corporation	13-Mar-23						
L-139-2022/0	Dias Da Mota Vieira, Marta Isabel		MD Millipore Corporation	13-Mar-23						
L-139-2022/0	Roche, Katherine W.		MD Millipore Corporation	13-Mar-23						
L-053-2000/2	Hsu, Yi-Te		Bioscience, Inc.	21-Mar-23						
L-053-2000/2	Youle, Richard J.		Bioscience, Inc.	21-Mar-23						
L-144-2008/1	Hou, Jean		ffymetrix, Inc.	21-Mar-23						
L-144-2008/1	Major, Eugene O		ffymetrix, Inc.	21-Mar-23						
L-144-2008/1	Messam, Conrad A.		ffymetrix, Inc.	21-Mar-23						
					$122,017.96	$0.00	$122,017.96		$53,633.10	$68,384.86

NIH Patent Licensing Activities
NINR
October 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total October Income	License Cumulative Income	Inventor Awards October	Net Remaining to IC

NIH Patent Licensing Activities
NINR
November 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total November Income	License Cumulative Income	Inventor Awards November	Net Remaining to IC

NIH Patent Licensing Activities
NINR
December 2022

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total December Income	License Cumulative Income	Inventor Awards December	Net Remaining to IC
L-132-2017/0	Barr, Taura L.	(b) (4), (b) (6)	CereDx Inc.	28-Dec-22						(b) (3) (A), (b) (4), (b) (6)
L-132-2017/0	(b) (4)		CereDx Inc.	28-Dec-22						

Note: L-132-2017/0 split between NIA; NINDS; NINR

NIH Patent Licensing Activities
NINR
January 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total January Income	License Cumulative Income	Inventor Awards January	Net Remaining to IC

NIH Patent Licensing Activities
NINR
February 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total February Income	License Cumulative Income	Inventor Awards February	Net Remaining to IC

NIH Patent Licensing Activities
NINR
March 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total March Income	License Cumulative Income	Inventor Awards March	Net Remaining to IC
										(b) (3) (A), (b) (4), (b) (6)

National Institutes of Health

Office of Financial Management

Royalties Semiannual Report -- Payments due to Inventors by IC -- Period ending: September 2023

CC	**$12,162.15**
Jin, Jianjian	(b) (3) (A), (b) (4), (b) (6)
Sabatino, Marianna V.	
Stroncek, David F.	
CDC	**$51,683.90**
Ades, Edwin W.	(b) (3) (A), (b) (4), (b) (6)
Aloisio, Carol H.	
Barclay, Leslie	
Beck, Eric T.	
Benson, Robert F	
Black, Glenn L	
Boyer, Anne E.	
Brand, Joy A.	
Calvert, Amanda Elaine	
Carlone, George M.	
CDC	
Chang, Gwong-Jen J.	
Chhabra, Preeti	
(b) (4)	
Cox, Nancy J.	
Damon, Inger K.	
Davis, Brent S.	
Devos, Joshua R.	
Donis, Ruben O.	
Erdman, Dean D.	
Fields, Barry F	
Fields, Patricia	
Folks, Thomas M	
Galland, Gale G.	
Garcia Lerma, Jose Gerardo	

Garten, Rebecca J	(b) (3) (A), (b) (4), (b) (6)
Gregoricus, Nicole	
Hanlon, Cathleen	
Harmon, Maurice	
Heneine, Walid M.	
Janssen, Robert	
Katz, Jacqueline M.	
Kendal, Alan P.	
Kinney, Claire Huang	
Kinney, Richard M.	
Klimov, Alexander I.	
Kulkarni, Pramod	
Leaumont, Collette F.	
Lewis, Daniel M.	
Maddison, Shirley E.	
McDougal, Steve	
McQuiston, John R.	
Moore, Deborah D.	
O'Connor, Steven	
Otten, Ronald	
Parekh, Bharat S.	
Phillips, Donald	
Reimer, Charles B.	
Roehrig, John T.	
Russell, Harold	
Sampson, Jacquelyn S.	
Sanchez, Anthony	
Schantz, Peter M.	
Schmechel, Detlef	
Shore, David	
Stevens, James	
Stockdale, Carol	
Tamin, Azibi	
Thacker, W Lanier	

Tharpe, Jean A.	(b) (3) (A), (b) (4), (b) (6)
Thibodeaux, Brett A.	
Tong, Suxiang	
Tsang, Victor C.	
Vinje, Jan	
Wagar, Nicholas	
Walls, Harriet	
Wei, Xierong	
Wells, Thomas	
Wilson, Marianna	
Wu, Xianfu	
Yang, Chunfu (Dustin)	
Yang, Hua	
Zervaki, Orthodoxia	
Zhou, Zhiyong	
CIT	**$0.00**
FDA	**$68,212.42**
Donnelly, Raymond P.	(b) (3) (A), (b) (4), (b) (6)
Golding, Hana	
Khurana, Surender	
NCATS	**$30,813.50**
Auld, Douglas S.	(b) (3) (A), (b) (4), (b) (6)
Bantukallu, Ganesha Rai	
Boxer, Matthew	
Brimacombe, Kyle R.	
Chen, Yu	
Ferrer-Alegre, Marc	
Hall, Matthew D.	
Hu, Xin	
Inglese, James	
Jadhav, Ajit P.	
Jiang, Jian-kang	
Kouznetsova, Jennifer Lynn	
Maloney, David	

Marugan, Juan J.	(b) (3) (A), (b) (4), (b) (6)
Mott, Bryan T.	
Patnaik, Samarjit	
Simeonov, Anton	
Singec, Ilyas	
Skoumbourdis, Amanda P.	
Song, Min Jae	
Southall, Noel T.	
Thomas, Craig J.	
Urban, Daniel	
Yang, Shyh-Ming	
Zheng, Wei	
NCCIH	
Chesler, Alexander Theodore	
NCI	**$2,063,445.32**
Aaronson, Stuart A.	(b) (3) (A), (b) (4), (b) (6)
Adhya, Sankar Lal	
Ahlers, Jeffrey D	
Altan-Bonnet, Gregoire	
Aplan, Peter D.	
Austin, Faye C.	
Barrett, James Carl	
Barry, Todd	
Baskar, Sivasubramanian	
Bera, Tapan K	
Bernardo, Marcelino L. (b) (6)	
Berzofsky, Jay A.	
Beyer, Rachel K. B.	
Bluestone, Jeffrey A.	
Bonner, William M	
Bonomi, Carrie A.	
Borgel, Suzanne D.	
Bosselut, Remy	
(b) (4)	

Boyd, Michael R.
Brash, Douglas
Buck, Christopher
Burgess, Rebecca C.
Bustin, Michael
Cafri, Gal
Cardarelli, Carol O
(b) (4)
Chang, Nancy T.
Choyke, Peter L
Colcher, David
Copeland, Amy
Cowan, Kenneth H.
Crowl, Robert
Custer, Mary
Deniger, Drew
Diggs, Laurence P.
Doroshow, James H.
Dougherty, Kelly
Dudley, Mark
Eil, Robert Langland
Esposito, Dominic
(b) (6) Donald J. Giard
Felber, Barbara K.
Feng, Mingqian
Feng, Yang
Figg, William D.
Fisher, Amanda G.
Fitzgerald, Peter C.
Fleming, Bryan
Franchini, Genoveffa
Fry, Terry
Gao, Wei
Garges, Susan

(b) (3) (A), (b) (4), (b) (6)

Gartner, Jared
Gartner, Suzanne
Gazdar, (b) (6) Adi
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(b) (4)
Gerwin, Brenda I.
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Gottesman, Michael M.
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Hamilton, Thomas C.
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Hand, Patricia H.
Harris, Curtis C.
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Hassan, Raffit
Hathcock, Karen
Heinrich, Bernd
Hinrichs, Christian S.
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Hodes, Richard J
Hodge, Deborah
Hodge, James W.
Holderfield, Matthew T.
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Hopkins, Ralph F.
Hwu, Patrick
(b) (4)
Jainchill, John L.
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Jelev, Dontcho
Jensen, Roy A.

(b) (3) (A), (b) (4), (b) (6)

Jin, Benjamin Yongzu
Johnson, Bruce E
Kahn, Richard A
Kalyanaraman, Vaniambadi S.
Kawakami, Yutaka
Kaye, Frederic J
Keseling, Beverly G
Khleif, Samir N.
Kim, Heungnam
Kim, Sanghyun
Kinders, Robert
King, Charles R.
Kishton, Rigel Joseph
Kobayashi, Hisataka
Kozlov, Serguei
Kraus, (b) (6) Matthias
Krausz, Kristopher W.
Krishna, Sri
Lam, Norris
LaRochelle, William
Laszlo, Gloria
Leo, Oberdan
Leonard, Warren J.
Levin, Noam
Li, Nan
Lin, Ying-Wei
Liu, Xiu Fen
Lo, Winifred Margaret
Lori, Franco C.
Lowery, Frank
Lowy, Douglas R.
Lu, Yong-Chen
Luciano, Michael
Ma, Chi

(b) (3) (A), (b) (4), (b) (6)

Mackall, Crystal L	(b) (3) (A), (b) (4), (b) (6)
Malekzadeh, Parisa	
Markham, Phillip D.	
Marrero, Allison M.	
Mason, Llewellyn H.	
Matsui, Toshimitsu	
McMahon, James	
Merlino, Glenn T.	
Michie, Megan Suzanne	
Minna, John D.	
Misteli, Thomas	
Mitsunaga, Makoto	
Moore, William J.	
Morgan, Richard A.	
Mori, Toshiyuki	
Muchmore, Brian P.	
Nani, Roger R.	
Nara, Peter L	
Navas, Mario Antonio	
Neckers, Leonard	
Nelson, David L.	
Nuti, Marianna	
O'Brien, Thomas R	
O'Keefe, Barry	
Oberdoerffer, Philipp	
Oh, SangKon	
Oie, (b) (6) Herbert K	
Onda, Masanori	
Orentas, Rimas J.	
Ortaldo, John R.	
Ozols, Robert F	
Palena, Claudia	
Palmer, Douglas	
Parchment, Ralph E.	

Paria, Biman
Parkhurst, Maria
Parks, Wade P.
Pasetto, Anna
Pass, Harvey I
Pastan, Ira H.
Pastrana, Diana V
Pavlakis, George N
Pendleton, Charles D.
Perantoni, Alan O.
Pfister, Thomas D.
Phung, Yen T.
Pierce, Jacalyn H.
Popovic, Mikulas
Porter-Gill, Patricia A.
Potter, (b) (6) Michael
Prokunina-Olsson, Ludmila
Qin, Haiying
Rader, Christoph
Reddel, Roger R.
Reddy, E. Premkumar.
Reitz, Jr., Marvin S.
Restifo, Nicholas P.
Reynolds, Della Anne
Rhim, Johng S.
Risinger, John
Robbins, Keith
Robbins, Paul F.
Roberson, Brenda D.
Roberts, Veronica Ann
Roden, Richard B.
Rogakou, Efthimia P.
Rosenwald, Andreas
Roukos, Vasileios

(b) (3) (A), (b) (4), (b) (6)

Rubin, Laurence A.	(b) (3) (A), (b) (4), (b) (6)
Rudloff, Udo	
Salahuddin, Syed Z.	
Sarngadharan, Mangalasseril	
Sausville, Edward	
Schiller, John T.	
Schlom, Jeffrey	
Schnermann, Martin	
Shah, Nirali	
Shaw, George M	
Shen, Ding-Wu	
Shirai, Mutsunori	
Slape, Christopher I.	
Snader, Kenneth M	
Somerville, Robert P.	
Soppet, Dan	
Soutoglou, Evi	
Spiese, Paul J	
Srivastava, Apurva	
Staudt, Louis M.	
Stewart, Colin L.	
Tang, Zhewei	
Tanigawa, Shunsuke	
Terabe, Masaki	
Tessarollo, Lino	
Todaro, George J.	
Tran, Eric	
Tsang, Kwong-Yok	
Ueda, Kazumitsu	
Vishnuvajjala, B. Rao	
Vodnala, Suman Kumar	
Vos, Michele	
Wang, Herui	
Wang, Lie	

Wang, Qiong	(b) (3) (A), (b) (4), (b) (6)
Wiestner, Adrian	
Wilson, Wyndham H.	
Wood, Lauren V.	
Wunderlich, John	
Xiao, Xiaodong	
Yang, James Chung-Yin	
Yang, Ke	
Yarchoan, Robert	
Yoseph, Rami	
Young, Howard A.	
Yu, Zhiya	
Zacharakis, Nikolaos	
Zhang, Ling	
Zhang, Qianfei	
Zhang, Yifan	
Zhang, ZhenHua	
Zheng, Zhili	
Zhu, Zhongyu	
Zhuang, Zhengping	
NEI	**$135,093.75**
Amaral, Juan A.	(b) (3) (A), (b) (4), (b) (6)
Bharti, Kapil	
Charles, Steven Thomas	
Clore-Gronenborn, Katharina	
Davis, (b) (6) Janine A	
Hotaling, Nathan	
Khristov, Vladimir R.	
Maminishkis, Arvydas	
Miyagishima, Kiyoharu	
Nguyen, Eric H.	
NIST	
Park, Tea Soon	
Quinn, Russell L.	

Song, Min Jae	(b) (3) (A), (b) (4), (b) (6)
NHGRI	**$49,104.45**
Chandler, Randy J.	(b) (3) (A), (b) (4), (b) (6)
Ferreira Lopez, Carlos Raul	
Gahl, WIlliam A.	
Goldin, Ehud M.	
Manoli, Eirini	
Motabar, Omid	
Pavan, William J.	
Sidransky, Ellen	
Venditti, Charles P.	
Westbroek, Wendy	
NHLBI	
Amar, Marcelo A.	(b) (3) (A), (b) (4), (b) (6)
(b) (4)	
Derbyshire, John Andrew	
(b) (4)	
Kotin, Robert M.	
Lee, Seung-Rock	
Li, Lina	
McVeigh, Elliott R	
Nezafat, Reza	
Remaley, Alan T.	
Rhee, Sue Goo	
Tisdale, John	
Uchida, Naoya	
NIA	**$2,685.51**
Goetzl, Edward	(b) (3) (A), (b) (4), (b) (6)
Greig, Nigel H	
Hodes, Richard J	
Holloway, Harold	
Luo, Weiming	
Tweedie, David	
(b) (4)	

Yu, Qian-sheng	(b) (3) (A), (b) (4), (b) (6)
NIAAA	
Cinar, Resat	
Iyer, Malliga R.	
Kunos, George I	
NIAID	**$22,150,379.80**
Akahata, Wataru	(b) (3) (A), (b) (4), (b) (6)
Akin, Cem	
Andrews, Sarah Faith	
Bailer, Robert Thomas	
Baxa, Ulrich	
Beeler, Judy A.	
Bennuru, Sasisekhar	
Boyington, Jeffrey C.	
Brock, Linda G.	
Bu, Wei	
Buchholz, Ursula	
Carey, Elizabeth	
Chanock, (b) (6) Robert	
Chen, Lei	
Chen, Man	
Chen, Mingzong	
Chen, Peifeng	
Chen, Zhao Chun	
Cheung, Yiu Chong Gordon	
Chuang, Gwo-Yu	
Coelingh, Kathleen L.	
Cohen, Jeffrey I.	
Collins, Peter L.	
Conrad, John T.	
(b) (4)	
De Wit, Emmie	
DeBuysscher, Blair Lynn	
DeVico, Angela M.	

DiNapoli, Joshua M.
Druz, Aliaksandr A.
Emerson, Suzanne U.
Feldmann, Heinrich Ulrich
Fink, Doran
Flynn, Barbara J.
Francica, Joseph Richard
Garboczi, David
Georgiev, Ivelin S.
Germain, Ronald N.
Gerner, Michael Y
Ghosh, Mridul K.
Gorman, Jason
Gupta, Pradeep K.
Harriman, Gregory R.
Horwitz, Joseph
Hoshino, Yasutaka
Hsu, Su-Cheng Dana
Hu, Haijing
Idris, Azza Hussein
(b) (4)
Kapikian, (b) (6) Albert Z
Kirshenbaum, Arnold
Kisalu, Neville Kielau
Korty, Patricia E.
Kubofcik, Joseph
Kunimoto, Dennis Y.
Kwong, Peter D.
Lantz, Larry
Le Nouen, Cyril J.
Leppla, Stephen H.
Leysath, Clinton E.
Li, Weizhe
Long, Eric O.

(b) (3) (A), (b) (4), (b) (6)

Lujan, Hugo D	(b) (3) (A), (b) (4), (b) (6)
Mackett, Michael	
Marzi, Andrea Maria	
McDermott, Adrian B.	
McLellan, Jason Scott	
Metcalfe, Dean D	
Moayeri, Mahtab	
Moss, Bernard	
Mowatt, Michael	
Murphy, Brian R.	
Nabel, Gary J.	
Nagy, Attila	
Nash, Theodore	
Neva, Franklin	
(b) (4)	
Nutman, Thomas B.	
OFEK, GILAD A	
Ohara, Junichi	
Ou, Li	
Pancera, Marie L.	
Paul, (b) (6) William E.	
Pegu, Amarendra	
Phillips, Damilola D.	
Pomerantsev, Andrei P	
Porgador, Angel	
Prescott, Joseph	
Purcell, Robert H.	
Rajagopalan, Sumati	
Rao, Srinivas	
Rundlet, Emily J.	
Sastry, Mallika	
Schubert, Ulrich K.	
Seder, Robert	
Shevach, Ethan M	

Smith, Geoffrey L.	(b) (3) (A), (b) (4), (b) (6)
Soto, Cinque	
Srivatsan, Sanjay R.	
Stewart-Jones, Guillaume B. E.	
Strober, Warren	
Sullivan, Nancy J.	
(b) (4)	
Thomas, Paul V.	
Tsybovsky, Yaroslav	
(b) (4)	
Van Galen, Joseph	
Varatharajalu, Ravi	
Vistein, Rachel Marie	
Wang, Lawrence Tsuchun	
Wheatley, Adam Kenneth	
Whittle, James R R	
(b) (4)	
Yang, Yong	
YANG, YONGPING	
Yang, Zhi-Yong	
Yewdell, Jonathan W.	
Zhang, Baoshan	
Zhou, Tongqing	
NIAMS	
Casellas, Rafael Cristian	
Kinet, Jean-Pierre	
Xu, Jianliang	
NIBIB	
Chen, Xiaoyuan	(b) (3) (A), (b) (4), (b) (6)
Phillips, Terence M	
Weiss, Orit Jacobson	
NICHD	**$12,805.95**
Baron, Jeffrey	(b) (3) (A), (b) (4), (b) (6)

Basser, Peter J	(b) (3) (A), (b) (4), (b) (6)
Cheung, Sao Fong (Crystal)	
Dai, Lily Zhongdong	
Horkay, Ferenc	
Kubler-Kielb, Joanna	
Lawson, Nathan	
Lui, Chun Kin Julian	
Pierpaoli, Carlo	
Romero-Galue, Roberto Jose	
Rouault, Tracey	
Schneerson, Rachel	
Weinstein, Brant	
NIDA	**$26,271.12**
Cheng, Kejun	(b) (3) (A), (b) (4), (b) (6)
Gomez, Juan Luis	
Iyer, Malliga R.	
Jacobson, Arthur E.	
(b) (4)	
Li, Fuying	
Michaelides, Michael	
Morera, Jordi Bonaventura	
Rice, Kenner C.	
Wise, Roy A	
Zangen, Abraham	
NIDCD	**$13,930.88**
Canseco De Kalinec, Gilda Mabel	(b) (3) (A), (b) (4), (b) (6)
Drayna, Dennis T.	
Kalinec, Federico	
Kim, Un-kyung	
RJ Wenthold, (b) (6)	
(b) (4)	
NIDCR	**$39,822.49**
Akiyama, Steven	(b) (3) (A), (b) (4), (b) (6)
Burbelo, Peter D.	

Chiorini, John A.	(b) (3) (A), (b) (4), (b) (6)
Fisher, Larry	
Gronthos, Stan	
Kaludov, Nikola	
Leppla, Stephen H.	
Miura, Masako	
Moayeri, Mahtab	
Pasquale, Giovanni Di	
Robey, Pamela G.	
Seo, Byoung-Moo	
Shi, Songtao	
Siraganian, Reuben	
(b) (4)	
Wainer, Sandra	
Yamada, Kenneth	
Yamada, Susan Sleeper	
NIDDK	**$56,054.43**
Appella, Daniel H	(b) (3) (A), (b) (4), (b) (6)
Bernstein, Harris D.	
Daly, John W	
Englund, Ethan A.	
Jacobson, Kenneth A	
Kopp, Jeffrey B	
Micklitsch, Christopher	
Oral, Elif A.	
Peterson, Janine Hyndman	
Roman-Hernandez, Giselle	
Taylor, Simeon	
Tosh, Dilip K.	
Wang, Deyun	
Yemane, Bereket	
Zhang, Ning	
Zhao, Chao	
NIEHS	

(b) (4)	(b) (3) (A), (b) (4), (b) (6)
Eddy, Edward	
Moore, Rickie	
Negishi, Masahiko	
NIMH	**$262,757.09**
Bonner, Tom I	(b) (3) (A), (b) (4), (b) (6)
Brownstein, Michael J.	
Eiden, Maribeth V.	
Hu, Huaizhong	
Liu, Yuan Yi	
Ma, Shenglin	
Manji, Husseini K.	
Matsuda, Lisa A.	
Neville, (b) (6) David	
Scharff, Joshua	
Swedo, Susan E.	
Thompson, Jerry	
(b) (4)	
Wilson, Carolyn A.	
(b) (4)	
Woo, Jung-Hee	
Zarate, Carlos A.	
NINDS	**$112,765.82**
Bharti, Kapil	(b) (3) (A), (b) (4), (b) (6)
Biddison, William E	
Brann, (b) (6) Mark R	
Hallett, Mark	
Hamblin, Mark	
Hou, Jean	
Hsu, Yi-Te	
Major, Eugene O	
Messam, Conrad A.	
Miranda, Pedro	
Roth, Yiftach	

Sanchez Soto, Marta
Sibley, David R.
Stormann, Thomas M.
Youle, Richard J.

(b) (3) (A), (b) (4), (b) (6)

NIH Patent Licensing Activities
CC
April 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total April Income	License Cumulative Income	Inventor Awards April	Net Remaining to IC

NIH Patent Licensing Activities
CC
May 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total May Income	License Cumulative Income	Inventor Awards May	Net Remaining to IC

NIH Patent Licensing Activities
CC
June 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total June Income	License Cumulative Income	Inventor Awards June	Net Remaining to IC

NIH Patent Licensing Activities
CC
July 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total July Income	License Cumulative Income	Inventor Awards July	Net Remaining to IC
L-159-2007/2	CC		Hope Pharmaceuticals	21-Jul-23						(b) (3) (A), (b) (4)

Note: L-159-2007/2 split between CC; NHLBI; NIDDK; NINDS

NIH Patent Licensing Activities
CC
August 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total August Income	License Cumulative Income	Inventor Awards August	Net Remaining to IC
L-028-2018/1	CC		Scanmed LLC	21-Aug-23						(b) (3) (A), (b) (4)

Note: L-028-2018/1 split between CC; CIT; NCI

NIH Patent Licensing Activities
CC
September 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total September Income	License Cumulative Income	Inventor Awards September	Net Remaining to IC
L-107-2015/3	Jin, Jianjian	(b) (4),	Iovance Biotherapeutics. Inc.	20-Sep-23					(b) (3) (A), (b) (4), (b) (6)	
L-107-2015/3	Sabatino, Marianna V.	(b) (6)	Iovance Biotherapeutics. Inc.	20-Sep-23						
L-107-2015/3	Stroncek, David F.		Iovance Biotherapeutics. Inc.	20-Sep-23						
Note: L-107-2015/3 split between CC; NCI										
					$40,287.15	$11,550.00	$51,837.15		$12,162.15	$39,675.00

NIH Patent Licensing Activities
CDC
April 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total April Income	License Cumulative Income	Inventor Awards April	Net Remaining to IC
L-112-2014/4	CDC	(b) (4), (b) (6)	Biological E. Limited	25-Apr-23						(b) (3) (A), (b) (4), (b) (6)
L-167-2021/1	Folks, Thomas M		Sandoz Pty Ltd	27-Apr-23						
L-167-2021/1	Garcia Lerma, Jose Gerardo		Sandoz Pty Ltd	27-Apr-23						
L-167-2021/1	Heneine, Walid M.		Sandoz Pty Ltd	27-Apr-23						
L-167-2021/1	Janssen, Robert		Sandoz Pty Ltd	27-Apr-23						
L-167-2021/1	Otten, Ronald		Sandoz Pty Ltd	27-Apr-23						
L-167-2021/1	Folks, Thomas M		Sandoz Pty Ltd	27-Apr-23						
L-167-2021/1	Garcia Lerma, Jose Gerardo		Sandoz Pty Ltd	27-Apr-23						
L-167-2021/1	Heneine, Walid M.		Sandoz Pty Ltd	27-Apr-23						
L-167-2021/1	Janssen, Robert		Sandoz Pty Ltd	27-Apr-23						
L-167-2021/1	Otten, Ronald		Sandoz Pty Ltd	27-Apr-23						
L-167-2021/1	Folks, Thomas M		Sandoz Pty Ltd	27-Apr-23						
L-167-2021/1	Garcia Lerma, Jose Gerardo		Sandoz Pty Ltd	27-Apr-23						
L-167-2021/1	Heneine, Walid M.		Sandoz Pty Ltd	27-Apr-23						
L-167-2021/1	Janssen, Robert		Sandoz Pty Ltd	27-Apr-23						
L-167-2021/1	Otten, Ronald		Sandoz Pty Ltd	27-Apr-23						

NIH Patent Licensing Activities
CDC
May 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total May Income	License Cumulative Income	Inventor Awards May	Net Remaining to IC
L-167-2021/1	Folks, Thomas M	(b) (4), (b) (6)	Sandoz Pty Ltd	1-May-23						(b) (3) (A), (b) (4), (b) (6)
L-167-2021/1	Garcia Lerma, Jose Gerardo		Sandoz Pty Ltd	1-May-23						
L-167-2021/1	Heneine, Walid M.		Sandoz Pty Ltd	1-May-23						
L-167-2021/1	Janssen, Robert		Sandoz Pty Ltd	1-May-23						
L-167-2021/1	Otten, Ronald		Sandoz Pty Ltd	1-May-23						
L-180-2013/4	Chang, Gwong-Jen J.		InBios International, Inc.	4-May-23						
L-161-2014/1	CDC		ZeptoMetrix Corporation	4-May-23						
L-210-2014/2	CDC		ZeptoMetrix Corp.	4-May-23						
L-357-2014/1	CDC		ZeptoMetrix Corp.	4-May-23						
L-357-2014/1	CDC		ZeptoMetrix Corp.	4-May-23						
L-357-2014/1	CDC		ZeptoMetrix Corp.	4-May-23						
L-225-2017/0	Chang, Gwong-Jen J.	(b) (4), (b) (6)	InBios International, Inc.	4-May-23						
L-225-2017/0	Davis, Brent S.		InBios International, Inc.	4-May-23						

L-225-2017/0	Roehrig, John T.	(b) (4), (b) (6)	InBios International, Inc.	4-May-23	(b) (3) (A), (b) (4), (b) (6)						
L-225-2017/0	Thibodeaux, Brett A.		InBios International, Inc.	4-May-23							
L-241-2017/0	CDC		ZeptoMetrix Corporation	4-May-23							
L-241-2017/0	CDC		ZeptoMetrix Corporation	4-May-23							
L-241-2017/0	CDC		ZeptoMetrix Corporation	4-May-23							
L-127-2019/0	CDC		ZeptoMetrix Corporation	4-May-23							
L-148-2019/0	Erdman, Dean D.	(b) (4), (b) (6)	ZeptoMetrix Corporation	4-May-23							
L-148-2019/0	Tamin, Azibi		ZeptoMetrix Corporation	4-May-23							
L-148-2019/0	Tong, Suxiang		ZeptoMetrix Corporation	4-May-23							
L-148-2019/0	Erdman, Dean D.		ZeptoMetrix Corporation	4-May-23							
L-148-2019/0	Tamin, Azibi		ZeptoMetrix Corporation	4-May-23							
L-148-2019/0	Tong, Suxiang		ZeptoMetrix Corporation	4-May-23							
L-164-2019/0	CDC		ZeptoMetrix Corporation	4-May-23							
L-004-2021/0	CDC	(b) (4), (b) (6)	ZeptoMetrix Corporation	4-May-23							
L-052-2019/0	Ades, Edwin W.		KeraFAST	11-May-23							
L-052-2019/0	Carlone, George M.		KeraFAST	11-May-23							
L-052-2019/0	O'Connor, Steven		KeraFAST	11-May-23							
L-052-2019/0	Russell, Harold		KeraFAST	11-May-23							
L-052-2019/0	Sampson, Jacquelyn S.		KeraFAST	11-May-23							
L-052-2019/0	Tharpe, Jean A.		KeraFAST	11-May-23							
L-142-2014/3	Aloisio, Carol H.		Life Technologies Corporation	16-May-23							
L-142-2014/3	Black, Glenn L		Life Technologies Corporation	16-May-23							
L-142-2014/3	Galland, Gale G.		Life Technologies Corporation	16-May-23							
L-142-2014/3	Moore, Deborah D.		Life Technologies Corporation	16-May-23							
L-142-2014/3	Phillips, Donald		Life Technologies Corporation	16-May-23							
L-142-2014/3	Reimer, Charles B.		Life Technologies Corporation	16-May-23							
L-142-2014/3	Wells, Thomas		Life Technologies Corporation	16-May-23							
L-205-2013/1	Cox, Nancy J.		University of Florida Research Foundatio	30-May-23							
L-205-2013/1	Donis, Ruben O.		University of Florida Research Foundatio	30-May-23							
L-205-2013/1	Katz, Jacqueline M.		University of Florida Research Foundatio	30-May-23							
L-205-2013/1	Klimov, Alexander I.		University of Florida Research Foundatio	30-May-23							

NIH Patent Licensing Activities
CDC
June 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total June Income	License Cumulative Income	Inventor Awards June	Net Remaining to IC
L-211-2023/0	Benson, Robert F	(b) (4), (b) (6)	Monoclonal Technologies, Inc.	2-Jun-23	(b) (3) (A), (b) (4), (b) (6)					
L-211-2023/0	Fields, Barry F		Monoclonal Technologies, Inc.	2-Jun-23						
L-211-2023/0	Thacker, W Lanier		Monoclonal Technologies, Inc.	2-Jun-23						

L-070-2016/1	Sanchez, Anthony	(b) (4), (b) (6)	Emergent Biosolutions	7-Jun-23	(b) (3) (A), (b) (4), (b) (6)
Note: L-070-2016/1 split between CDC; NIAID					
L-253-2019/0	CDC		Integrated DNA Technologies, Inc.	8-Jun-23	
L-314-2019/0	CDC		Integrated DNA Technologies, Inc.	8-Jun-23	
L-142-2013/0	Lewis, Daniel M.	(b) (4), (b) (6)	Advnt Biotechnologies, L.L.C.	9-Jun-23	
L-142-2013/0	Schmechel, Detlef		Advnt Biotechnologies, L.L.C.	9-Jun-23	
L-279-2023/0	Kulkarni, Pramod		Handix Scientific Inc	22-Jun-23	
L-279-2023/0	Zervaki, Orthodoxia		Handix Scientific Inc	22-Jun-23	
L-279-2023/0	Kulkarni, Pramod		Handix Scientific Inc	22-Jun-23	
L-279-2023/0	Zervaki, Orthodoxia		Handix Scientific Inc	22-Jun-23	
L-096-2023/0	Calvert, Amanda Elaine		Bharat Biotech International Limited	23-Jun-23	
L-096-2023/0	(b) (4)		Bharat Biotech International Limited	23-Jun-23	
L-096-2023/0	Roehrig, John T.		Bharat Biotech International Limited	23-Jun-23	
L-128-2014/1	Harmon, Maurice		Medix Biochemica	27-Jun-23	
L-128-2014/1	Kendal, Alan P.		Medix Biochemica	27-Jun-23	
L-128-2014/1	Stockdale, Carol		Medix Biochemica	27-Jun-23	
L-128-2014/1	Walls, Harriet		Medix Biochemica	27-Jun-23	

NIH Patent Licensing Activities
CDC
July 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total July Income	License Cumulative Income	Inventor Awards July	Net Remaining to IC
L-142-2013/0	Lewis, Daniel M.	(b) (4), (b) (6)	Advnt Biotechnologies, L.L.C.	6-Jul-23						(b) (3) (A), (b) (4), (b) (6)
L-142-2013/0	Schmechel, Detlef		Advnt Biotechnologies, L.L.C.	6-Jul-23						
L-140-2013/0	Lewis, Daniel M.		Alexeter Technologies	11-Jul-23						
L-140-2013/0	Schmechel, Detlef		Alexeter Technologies	11-Jul-23						
L-087-2015/0	Damon, Inger K.		Chengdu Boao Bio-tech Co.	14-Jul-23						
L-087-2015/0	Hanlon, Cathleen		Chengdu Boao Bio-tech Co.	14-Jul-23						
L-087-2015/0	Wu, Xianfu		Chengdu Boao Bio-tech Co.	14-Jul-23						
L-195-2014/0	Beck, Eric T.		CTK Biotech, Inc.	18-Jul-23						
L-195-2014/0	Kinney, Claire Huang		CTK Biotech, Inc.	18-Jul-23						
L-195-2014/0	Kinney, Richard M.		CTK Biotech, Inc.	18-Jul-23						
L-198-2013/0	Fields, Patricia		Luminex Corporation	25-Jul-23						
L-198-2013/0	Leaumont, Collette F.		Luminex Corporation	25-Jul-23						
L-198-2013/0	McQuiston, John R.		Luminex Corporation	25-Jul-23						
L-147-2013/0	McDougal, Steve		Beijing Kinghawk Pharma	28-Jul-23						
L-147-2013/0	Parekh, Bharat S.		Beijing Kinghawk Pharma	28-Jul-23						
L-147-2013/0	Wei, Xierong		Beijing Kinghawk Pharma	28-Jul-23						

NIH Patent Licensing Activities
CDC
August 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total August Income	License Cumulative Income	Inventor Awards August	Net Remaining to IC
L-179-2013/0	McDougal, Steve	(b) (4),	Maxim Biotech, Inc.	8-Aug-23						(b) (3) (A), (b) (4), (b) (6)
L-179-2013/0	Parekh, Bharat S.	(b) (6)	Maxim Biotech, Inc.	8-Aug-23						
L-179-2013/0	Wei, Xierong		Maxim Biotech, Inc.	8-Aug-23						
L-250-2021/0	Boyer, Anne E.		Quest Diagnostics Incorporated	9-Aug-23						
L-250-2021/0	Brand, Joy A.		Quest Diagnostics Incorporated	9-Aug-23						
L-250-2021/0	Maddison, Shirley E.		Quest Diagnostics Incorporated	9-Aug-23						
L-250-2021/0	Schantz, Peter M.		Quest Diagnostics Incorporated	9-Aug-23						
L-250-2021/0	Tsang, Victor C.		Quest Diagnostics Incorporated	9-Aug-23						
L-250-2021/0	Wilson, Marianna		Quest Diagnostics Incorporated	9-Aug-23						
L-101-2017/1	CDC		Life Technologies Corporation	15-Aug-23						

NIH Patent Licensing Activities
CDC
September 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total September Income	License Cumulative Income	Inventor Awards September	Net Remaining to IC
L-101-2017/1	Devos, Joshua R.	(b) (4),	Life Technologies Corporation	1-Sep-23						(b) (3) (A), (b) (4), (b) (6)
L-101-2017/1	Wagar, Nicholas	(b) (6)	Life Technologies Corporation	1-Sep-23						
L-101-2017/1	Yang, Chunfu (Dustin)		Life Technologies Corporation	1-Sep-23						
L-101-2017/1	Zhou, Zhiyong		Life Technologies Corporation	1-Sep-23						
L-037-2020/1	Garten, Rebecca J		FDA - Headquarters	8-Sep-23						
L-037-2020/1	Shore, David		FDA - Headquarters	8-Sep-23						
L-037-2020/1	Stevens, James		FDA - Headquarters	8-Sep-23						
L-037-2020/1	Yang, Hua		FDA - Headquarters	8-Sep-23						
L-112-2021/0	Folks, Thomas M		Laurus Generics, Inc.	11-Sep-23						
L-112-2021/0	Garcia Lerma, Jose Gerardo		Laurus Generics, Inc.	11-Sep-23						
L-112-2021/0	Heneine, Walid M.		Laurus Generics, Inc.	11-Sep-23						
L-112-2021/0	Janssen, Robert		Laurus Generics, Inc.	11-Sep-23						
L-112-2021/0	Otten, Ronald		Laurus Generics, Inc.	11-Sep-23						
L-186-2013/6	Chang, Gwong-Jen J.		DiaSorin Molecular	13-Sep-23						
L-186-2013/6	Roehrig, John T.		DiaSorin Molecular	13-Sep-23						
L-252-2013/3	Barclay, Leslie		R-Biopharm AG	19-Sep-23						
L-252-2013/3	Chhabra, Preeti		R-Biopharm AG	19-Sep-23						
L-252-2013/3	Gregoricus, Nicole		R-Biopharm AG	19-Sep-23						
L-252-2013/3	Vinje, Jan		R-Biopharm AG	19-Sep-23						
L-203-2018/0	CDC		Serum Institute of India	21-Sep-23						

$3,342,734.04	$12,401.00	$3,355,135.04	$51,683.90	$3,303,451.14

NIH Patent Licensing Activities
CIT
April 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total April Income	License Cumulative Income	Inventor Awards April	Net Remaining to IC

NIH Patent Licensing Activities
CIT
May 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total May Income	License Cumulative Income	Inventor Awards May	Net Remaining to IC

NIH Patent Licensing Activities
CIT
June 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total June Income	License Cumulative Income	Inventor Awards June	Net Remaining to IC

NIH Patent Licensing Activities
CIT
July 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total July Income	License Cumulative Income	Inventor Awards July	Net Remaining to IC

NIH Patent Licensing Activities
CIT
August 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total August Income	License Cumulative Income	Inventor Awards August	Net Remaining to IC
L-028-2018/1	CIT		Scanmed LLC	21-Aug-23						(b) (3) (A), (b) (4)

Note: L-028-2018/1 split between CC; CIT; NCI

NIH Patent Licensing Activities
CIT

September 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total September Income	License Cumulative Income	Inventor Awards September	Net Remaining to IC
					$0.00	$0.00	$0.00		$0.00	$0.00

NIH Patent Licensing Activities
FDA
April 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total April Income	License Cumulative Income	Inventor Awards April	Net Remaining to IC
L-149-2015/1	FDA		Serum Institute of India Ltd.	20-Apr-23						(b) (3) (A), (b) (4), (b) (6)
Note: L-149-2015/1 split between FDA; NIAID										
L-347-2014/0	Donnelly, Raymond P.	(b) (4), (b) (6)	Abcam, plc	27-Apr-23						
Note: L-347-2014/0 split between FDA; NCI										

NIH Patent Licensing Activities
FDA
May 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total May Income	License Cumulative Income	Inventor Awards May	Net Remaining to IC

NIH Patent Licensing Activities
FDA
June 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total June Income	License Cumulative Income	Inventor Awards June	Net Remaining to IC
L-019-2008/0	Golding, Hana	(b) (4), (b) (6)	nstitut Pasteur	2-Jun-23						(b) (3) (A), (b) (4), (b) (6)
L-019-2008/0	Khurana, Surender		nstitut Pasteur	2-Jun-23						
Note: L-019-2008/0 split between FDA; NCI; NIAID; NIBIB; NIDDK										

NIH Patent Licensing Activities
FDA
July 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total July Income	License Cumulative Income	Inventor Awards July	Net Remaining to IC
L-347-2014/0	Donnelly, Raymond P.	(b) (4), (b) (6)	Abcam, plc	28-Jul-23						(b) (3) (A), (b) (4), (b) (6)
Note: L-347-2014/0 split between FDA; NCI										

NIH Patent Licensing Activities
FDA
August 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total August Income	License Cumulative Income	Inventor Awards August	Net Remaining to IC

NIH Patent Licensing Activities
FDA
September 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total September Income	License Cumulative Income	Inventor Awards September	Net Remaining to IC
					$208,299.40	$0.00	$208,299.40		$68,212.42	$140,086.98

NIH Patent Licensing Activities
NCATS
April 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total April Income	License Cumulative Income	Inventor Awards April	Net Remaining to IC
L-025-2017/1	NCATS		Tocris Bioscience	4-Apr-23						(b) (3) (A), (b) (4), (b) (6)
Note: L-025-2017/1 split between NCATS; NIA; NIMH										
		(b) (4),								
L-145-2023/0	Chen, Yu	(b) (6)	Life Technologies Corporation	19-Apr-23						
L-145-2023/0	Simeonov, Anton		Life Technologies Corporation	19-Apr-23						
L-145-2023/0	Singec, Ilyas		Life Technologies Corporation	19-Apr-23						

NIH Patent Licensing Activities
NCATS
May 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total May Income	License Cumulative Income	Inventor Awards May	Net Remaining to IC
L-127-2023/0	Ferrer-Alegre, Marc	(b) (4),	STEMCELL Technologies Canada, Inc	30-May-23						(b) (3) (A), (b) (4), (b) (6)
L-127-2023/0	Song, Min Jae	(b) (6)	STEMCELL Technologies Canada, Inc	30-May-23						
Note: L-127-2023/0 split between NCATS; NEI										
L-127-2023/0	NCATS		STEMCELL Technologies Canada, Inc	30-May-23						
Note: L-127-2023/0 split between NCATS; NEI										

NIH Patent Licensing Activities
NCATS
June 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total June Income	License Cumulative Income	Inventor Awards June	Net Remaining to IC
L-204-2019/0	Bantukallu, Ganesha Rai	(b) (4),	Vanderbilt University	1-Jun-23						(b) (3) (A), (b) (4), (b) (6)
L-204-2019/0	Brimacombe, Kyle R.	(b) (6)	Vanderbilt University	1-Jun-23						
L-204-2019/0	Hall, Matthew D.		Vanderbilt University	1-Jun-23						
L-204-2019/0	Hu, Xin		Vanderbilt University	1-Jun-23						
L-204-2019/0	Jadhav, Ajit P.		Vanderbilt University	1-Jun-23						
L-204-2019/0	Kouznetsova, Jennifer Lynn		Vanderbilt University	1-Jun-23						
L-204-2019/0	Maloney, David		Vanderbilt University	1-Jun-23						
L-204-2019/0	Mott, Bryan T.		Vanderbilt University	1-Jun-23						
L-204-2019/0	Simeonov, Anton		Vanderbilt University	1-Jun-23						
L-204-2019/0	Urban, Daniel		Vanderbilt University	1-Jun-23						
L-204-2019/0	Yang, Shyh-Ming		Vanderbilt University	1-Jun-23						
Note: L-204-2019/0 split between NCATS; NCI										
L-264-2020/0	Hall, Matthew D.		Vanderbilt University	1-Jun-23						
L-264-2020/0	Urban, Daniel		Vanderbilt University	1-Jun-23						
Note: L-264-2020/0 split between NCATS; NCI										

										(b) (3) (A), (b) (4), (b) (6)
L-128-2022/0	Chen, Yu	(b) (4), (b) (6)	Advanced Instruments, LLC	1-Jun-23						
L-128-2022/0	Simeonov, Anton		Advanced Instruments, LLC	1-Jun-23						
L-128-2022/0	Singec, Ilyas		Advanced Instruments, LLC	1-Jun-23						
L-128-2022/0	NCATS		Advanced Instruments, LLC	1-Jun-23						

NIH Patent Licensing Activities
NCATS
July 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total July Income	License Cumulative Income	Inventor Awards July	Net Remaining to IC

NIH Patent Licensing Activities
NCATS
August 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total August Income	License Cumulative Income	Inventor Awards August	Net Remaining to IC
L-055-2015/1	Marugan, Juan J.	(b) (4), (b) (6)	Bial-BioTech Investments, Inc.	1-Aug-23						(b) (3) (A), (b) (4), (b) (6)
L-055-2015/1	Patnaik, Samarjit		Bial-BioTech Investments, Inc.	1-Aug-23						
L-055-2015/1	Southall, Noel T.		Bial-BioTech Investments, Inc.	1-Aug-23						
L-055-2015/1	Zheng, Wei		Bial-BioTech Investments, Inc.	1-Aug-23						
Note: L-055-2015/1 split between NCATS; NHGRI										
L-030-2017/1	Jadhav, Ajit P.		ConverGene, LLC	4-Aug-23						
L-030-2017/1	Maloney, David		ConverGene, LLC	4-Aug-23						
L-030-2017/1	Urban, Daniel		ConverGene, LLC	4-Aug-23						
L-030-2017/1	Yang, Shyh-Ming		ConverGene, LLC	4-Aug-23						

NIH Patent Licensing Activities
NCATS
September 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total September Income	License Cumulative Income	Inventor Awards September	Net Remaining to IC
L-025-2017/1	NCATS		Tocris Bioscience	19-Sep-23						(b) (3) (A), (b) (4), (b) (6)
Note: L-025-2017/1 split between NCATS; NIA; NIMH										
L-172-2022/0	Auld, Douglas S.	(b) (4), (b) (6)	Tocris Cookson Ltd.	19-Sep-23						
L-172-2022/0	Boxer, Matthew		Tocris Cookson Ltd.	19-Sep-23						
L-172-2022/0	Inglese, James		Tocris Cookson Ltd.	19-Sep-23						
L-172-2022/0	Jiang, Jian-kang		Tocris Cookson Ltd.	19-Sep-23						
L-172-2022/0	Skoumbourdis, Amanda P.		Tocris Cookson Ltd.	19-Sep-23						
L-172-2022/0	Thomas, Craig J.		Tocris Cookson Ltd.	19-Sep-23						
					$159,981.17	$7,582.35	$167,563.52		$30,813.50	$136,750.02

NIH Patent Licensing Activities
NCCIH
April 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total April Income	License Cumulative Income	Inventor Awards April	Net Remaining to IC

NIH Patent Licensing Activities
NCCIH
May 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total May Income	License Cumulative Income	Inventor Awards May	Net Remaining to IC

NIH Patent Licensing Activities
NCCIH
June 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total June Income	License Cumulative Income	Inventor Awards June	Net Remaining to IC

NIH Patent Licensing Activities
NCCIH
July 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total July Income	License Cumulative Income	Inventor Awards July	Net Remaining to IC

NIH Patent Licensing Activities
NCCIH
August 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total August Income	License Cumulative Income	Inventor Awards August	Net Remaining to IC
L-238-2021/0	Chesler, Alexander Theodore	(b) (4), (b)	University of Tennessee Research Foundat	4-Aug-23	(b) (3) (A), (b) (4), (b) (6)					

NIH Patent Licensing Activities
NCCIH
September 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total September Income	License Cumulative Income	Inventor Awards September	Net Remaining to IC
					(b) (3) (A), (b) (4), (b) (6)					

NIH Patent Licensing Activities
NCI
April 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total April Income	License Cumulative Income	Inventor Awards April	Net Remaining to IC
L-194-2022/0	Gazdar, (b) (6) Adi	(b) (4), (b) (6)	Daiichi Sankyo Co., Ltd.	1-Apr-23						(b) (3) (A), (b) (4), (b) (6)
L-194-2022/0	Johnson, Bruce E		Daiichi Sankyo Co., Ltd.	1-Apr-23						
L-194-2022/0	Kaye, Frederic J		Daiichi Sankyo Co., Ltd.	1-Apr-23						
L-194-2022/0	Khleif, Samir N.		Daiichi Sankyo Co., Ltd.	1-Apr-23						
L-194-2022/0	Minna, John D.		Daiichi Sankyo Co., Ltd.	1-Apr-23						
L-194-2022/0	Oie, (b) (6) Herbert K		Daiichi Sankyo Co., Ltd.	1-Apr-23						
L-194-2022/0	Pass, Harvey I		Daiichi Sankyo Co., Ltd.	1-Apr-23						
L-073-2023/0	Gazdar, (b) (6) Adi		ADC Therapeutics, ADC Therapeutics (UK)	1-Apr-23						
L-073-2023/0	Johnson, Bruce E		ADC Therapeutics, ADC Therapeutics (UK)	1-Apr-23						
L-073-2023/0	Kaye, Frederic J		ADC Therapeutics, ADC Therapeutics (UK)	1-Apr-23						
L-073-2023/0	Khleif, Samir N.		ADC Therapeutics, ADC Therapeutics (UK)	1-Apr-23						
L-073-2023/0	Minna, John D.		ADC Therapeutics, ADC Therapeutics (UK)	1-Apr-23						
L-073-2023/0	Oie, (b) (6) Herbert K		ADC Therapeutics, ADC Therapeutics (UK)	1-Apr-23						
L-073-2023/0	Pass, Harvey I		ADC Therapeutics, ADC Therapeutics (UK)	1-Apr-23						
L-154-2021/0	Gazdar, (b) (6) Adi		Sun Pharma Advanced Research Company Ltd	3-Apr-23						
L-154-2021/0	Johnson, Bruce E		Sun Pharma Advanced Research Company Ltd	3-Apr-23						
L-154-2021/0	Kaye, Frederic J		Sun Pharma Advanced Research Company Ltd	3-Apr-23						
L-154-2021/0	Khleif, Samir N.		Sun Pharma Advanced Research Company Ltd	3-Apr-23						
L-154-2021/0	Minna, John D.		Sun Pharma Advanced Research Company Ltd	3-Apr-23						
L-154-2021/0	Oie, (b) (6) Herbert K		Sun Pharma Advanced Research Company Ltd	3-Apr-23						
L-154-2021/0	Pass, Harvey I		Sun Pharma Advanced Research Company Ltd	3-Apr-23						
L-065-2023/0	Bosselut, Remy		Novartis Institutes for BioMedical Resea	3-Apr-23						
L-065-2023/0	Tessarollo, Lino		Novartis Institutes for BioMedical Resea	3-Apr-23						
L-065-2023/0	Wang, Lie		Novartis Institutes for BioMedical Resea	3-Apr-23						
L-080-1993/3	Hathcock, Karen		BD Biosciences - BD PharMingen, Inc.	4-Apr-23						
L-080-1993/3	Hodes, Richard J		BD Biosciences - BD PharMingen, Inc.	4-Apr-23						
L-080-1993/3	Laszlo, Gloria		BD Biosciences - BD PharMingen, Inc.	4-Apr-23						
L-025-2007/0	Hollingshead, Melinda G.		Tocris Bioscience	4-Apr-23						
L-025-2007/0	Sausville, Edward		Tocris Bioscience	4-Apr-23						
L-025-2007/0	Snader, Kenneth M		Tocris Bioscience	4-Apr-23						
L-025-2007/0	Vishnuvajjala, B. Rao		Tocris Bioscience	4-Apr-23						
L-199-2016/0	Schiller, John T.		STC.UNM	4-Apr-23						
Note: L-199-2016/0 split between NCI; NHLBI										
L-032-2018/1	Bonomi, Carrie A.		Revolution Medicines, Inc.	4-Apr-23						
L-032-2018/1	Borgel, Suzanne D.		Revolution Medicines, Inc.	4-Apr-23						
L-032-2018/1	Dougherty, Kelly		Revolution Medicines, Inc.	4-Apr-23						
L-032-2018/1	Hollingshead, Melinda G.		Revolution Medicines, Inc.	4-Apr-23						
L-216-2019/0	Bonomi, Carrie A.		Revolution Medicines, Inc	4-Apr-23						
L-216-2019/0	Dougherty, Kelly		Revolution Medicines, Inc	4-Apr-23						
L-216-2019/0	Hollingshead, Melinda G.		Revolution Medicines, Inc	4-Apr-23						
L-258-2020/0	NCI		Tocris Bioscience	4-Apr-23						
L-258-2020/0	Luciano, Michael	(b) (4), (b) (6)	Tocris Bioscience	4-Apr-23						

(b) (3) (A), (b) (4), (b) (6)

L-258-2020/0	Michie, Megan Suzanne	(b) (4), (b) (6)	Tocris Bioscience	4-Apr-23
L-258-2020/0	Nani, Roger R.		Tocris Bioscience	4-Apr-23
L-258-2020/0	Schnermann, Martin		Tocris Bioscience	4-Apr-23
L-190-1998/1	Chang, Nancy T.		ViroGen Corp.	5-Apr-23
L-190-1998/1	Crowl, Robert		ViroGen Corp.	5-Apr-23
L-190-1998/1	Franchini, Genoveffa		ViroGen Corp.	5-Apr-23
L-190-1998/1	Gartner, Suzanne		ViroGen Corp.	5-Apr-23
L-190-1998/1	Lori, Franco C.		ViroGen Corp.	5-Apr-23
L-190-1998/1	Markham, Phillip D.		ViroGen Corp.	5-Apr-23
L-190-1998/1	Popovic, Mikulas		ViroGen Corp.	5-Apr-23
L-190-1998/1	Reddy, E. Premkumar.		ViroGen Corp.	5-Apr-23
L-190-1998/1	Reitz, Jr., Marvin S.		ViroGen Corp.	5-Apr-23
L-190-1998/1	Sarngadharan, Mangalasseril		ViroGen Corp.	5-Apr-23
L-190-1998/1	Shaw, George M		ViroGen Corp.	5-Apr-23
L-009-2022/0	Gazdar, (b) (6) Adi		Aragen Life Sciences Private Limited	10-Apr-23
L-009-2022/0	Johnson, Bruce E		Aragen Life Sciences Private Limited	10-Apr-23
L-009-2022/0	Kaye, Frederic J		Aragen Life Sciences Private Limited	10-Apr-23
L-009-2022/0	Khleif, Samir N.		Aragen Life Sciences Private Limited	10-Apr-23
L-009-2022/0	Minna, John D.		Aragen Life Sciences Private Limited	10-Apr-23
L-009-2022/0	Oie, (b) (6) Herbert K		Aragen Life Sciences Private Limited	10-Apr-23
L-009-2022/0	Pass, Harvey I		Aragen Life Sciences Private Limited	10-Apr-23
L-030-2022/0	Hinrichs, Christian S.		Precision BioSciences	10-Apr-23
L-203-2015/1	Gazdar, (b) (6) Adi		SOTIO	11-Apr-23
L-203-2015/1	Johnson, Bruce E		SOTIO	11-Apr-23
L-203-2015/1	Kaye, Frederic J		SOTIO	11-Apr-23
L-203-2015/1	Khleif, Samir N.		SOTIO	11-Apr-23
L-203-2015/1	Minna, John D.		SOTIO	11-Apr-23
L-203-2015/1	Oie, (b) (6) Herbert K		SOTIO	11-Apr-23
L-203-2015/1	Pass, Harvey I		SOTIO	11-Apr-23
L-095-2023/0	Bonomi, Carrie A.		76Bio, Inc.	11-Apr-23
L-095-2023/0	Borgel, Suzanne D.		76Bio, Inc.	11-Apr-23
L-095-2023/0	Dougherty, Kelly		76Bio, Inc.	11-Apr-23
L-095-2023/0	Hollingshead, Melinda G.		76Bio, Inc.	11-Apr-23
L-052-2018/2	Gros, Alena		MedGene Therapeutics, Inc.	12-Apr-23
L-229-2020/0	Beyer, Rachel K. B.		Frontier Medicines Corporation	12-Apr-23
L-229-2020/0	(b) (4)		Frontier Medicines Corporation	12-Apr-23
L-229-2020/0	Holderfield, Matthew T.		Frontier Medicines Corporation	12-Apr-23
L-229-2020/0	Soppet, Dan		Frontier Medicines Corporation	12-Apr-23
L-210-2022/0	Gazdar, (b) (6) Adi		Regeneron Pharmaceuticals. Inc.	12-Apr-23
L-210-2022/0	Johnson, Bruce E		Regeneron Pharmaceuticals. Inc.	12-Apr-23
L-210-2022/0	Kaye, Frederic J		Regeneron Pharmaceuticals. Inc.	12-Apr-23
L-210-2022/0	Khleif, Samir N.		Regeneron Pharmaceuticals. Inc.	12-Apr-23
L-210-2022/0	Minna, John D.		Regeneron Pharmaceuticals. Inc.	12-Apr-23
L-210-2022/0	Oie, (b) (6) Herbert K		Regeneron Pharmaceuticals. Inc.	12-Apr-23
L-210-2022/0	Pass, Harvey I		Regeneron Pharmaceuticals. Inc.	12-Apr-23
L-192-2023/0	Bonomi, Carrie A.		Onchilles Pharma	13-Apr-23
L-192-2023/0	Borgel, Suzanne D.		Onchilles Pharma	13-Apr-23
L-192-2023/0	Dougherty, Kelly		Onchilles Pharma	13-Apr-23
L-192-2023/0	Hollingshead, Melinda G.		Onchilles Pharma	13-Apr-23

L-192-2023/0	Bonomi, Carrie A.	(b) (4), (b) (6)	Onchilles Pharma	13-Apr-23	(b) (3) (A), (b) (4), (b) (6)
L-192-2023/0	Borgel, Suzanne D.		Onchilles Pharma	13-Apr-23	
L-192-2023/0	Dougherty, Kelly		Onchilles Pharma	13-Apr-23	
L-192-2023/0	Hollingshead, Melinda G.		Onchilles Pharma	13-Apr-23	
L-089-2016/4	Feng, Mingqian		H2bio	14-Apr-23	
L-089-2016/4	Gao, Wei		H2bio	14-Apr-23	
L-089-2016/4	Ho, Mitchell		H2bio	14-Apr-23	
L-089-2016/4	Pastan, Ira H.		H2bio	14-Apr-23	
L-089-2016/4	Tang, Zhewei		H2bio	14-Apr-23	
L-089-2016/4	NCI		H2bio	14-Apr-23	
L-250-2017/0	Bonomi, Carrie A.	(b) (4), (b) (6)	Aragen Bioscience, Inc.	14-Apr-23	
L-250-2017/0	Borgel, Suzanne D.		Aragen Bioscience, Inc.	14-Apr-23	
L-250-2017/0	Dougherty, Kelly		Aragen Bioscience, Inc.	14-Apr-23	
L-250-2017/0	Hollingshead, Melinda G.		Aragen Bioscience, Inc.	14-Apr-23	
L-071-2019/1	Feng, Yang		Atara Biotherapeutics Inc.	14-Apr-23	
L-071-2019/1	Pastan, Ira H.		Atara Biotherapeutics Inc.	14-Apr-23	
L-086-2019/0	Bonomi, Carrie A.		Pionyr Immunotherapeutics, Inc.	14-Apr-23	
L-086-2019/0	Dougherty, Kelly		Pionyr Immunotherapeutics, Inc.	14-Apr-23	
L-086-2019/0	Hollingshead, Melinda G.		Pionyr Immunotherapeutics, Inc.	14-Apr-23	
L-130-2019/0	Bonomi, Carrie A.		xelixis, Inc.	14-Apr-23	
L-130-2019/0	Borgel, Suzanne D.		xelixis, Inc.	14-Apr-23	
L-130-2019/0	Dougherty, Kelly		xelixis, Inc.	14-Apr-23	
L-130-2019/0	Hollingshead, Melinda G.		xelixis, Inc.	14-Apr-23	
L-159-2020/0	Bonomi, Carrie A.		Ascendis Pharma A/S	14-Apr-23	
L-159-2020/0	Borgel, Suzanne D.		Ascendis Pharma A/S	14-Apr-23	
L-159-2020/0	Dougherty, Kelly		Ascendis Pharma A/S	14-Apr-23	
L-159-2020/0	Hollingshead, Melinda G.		Ascendis Pharma A/S	14-Apr-23	
L-175-2021/0	Bonomi, Carrie A.		Prokarium Ltd.	14-Apr-23	
L-175-2021/0	Borgel, Suzanne D.		Prokarium Ltd.	14-Apr-23	
L-175-2021/0	Dougherty, Kelly		Prokarium Ltd.	14-Apr-23	
L-175-2021/0	Hollingshead, Melinda G.		Prokarium Ltd.	14-Apr-23	
L-036-2022/0	Boyd, Michael R.		he Population Council, Inc	18-Apr-23	
L-036-2022/0	McMahon, James		he Population Council, Inc	18-Apr-23	
L-036-2022/0	Mori, Toshiyuki		he Population Council, Inc	18-Apr-23	
L-036-2022/0	O'Keefe, Barry		he Population Council, Inc	18-Apr-23	
L-159-2023/0	Bonomi, Carrie A.		dorsia Pharmaceuticals Ltd	18-Apr-23	
L-159-2023/0	Dougherty, Kelly		dorsia Pharmaceuticals Ltd	18-Apr-23	
L-159-2023/0	Hollingshead, Melinda G.		dorsia Pharmaceuticals Ltd	18-Apr-23	
L-159-2023/0	Bonomi, Carrie A.		dorsia Pharmaceuticals Ltd	18-Apr-23	
L-159-2023/0	Dougherty, Kelly		dorsia Pharmaceuticals Ltd	18-Apr-23	
L-159-2023/0	Hollingshead, Melinda G.		dorsia Pharmaceuticals Ltd	18-Apr-23	
L-170-2023/0	Bonomi, Carrie A.		mmunai Inc.	19-Apr-23	
L-170-2023/0	Borgel, Suzanne D.		mmunai Inc.	19-Apr-23	
L-170-2023/0	Dougherty, Kelly		mmunai Inc.	19-Apr-23	
L-170-2023/0	Hollingshead, Melinda G.		mmunai Inc.	19-Apr-23	
L-247-2017/1	Beyer, Rachel K. B.		Revolution Medicines, Inc.	20-Apr-23	

(b) (3) (A), (b) (4), (b) (6)

L-247-2017/1	(b) (4)	(b) (4), (b) (6)	Revolution Medicines, Inc.	20-Apr-23
L-247-2017/1	Holderfield, Matthew T.		Revolution Medicines, Inc.	20-Apr-23
L-247-2017/1	Soppet, Dan		Revolution Medicines, Inc.	20-Apr-23
L-234-2023/0	Hanada, Kenichi		Moonwalk Biosciences, Inc.	25-Apr-23
L-234-2023/0	Yang, James Chung-Yin		Moonwalk Biosciences, Inc.	25-Apr-23
L-234-2023/0	Yu, Zhiya		Moonwalk Biosciences, Inc.	25-Apr-23
L-296-2019/1	Bonomi, Carrie A.		Evelo Biosciences, Inc.	26-Apr-23
L-296-2019/1	Borgel, Suzanne D.		Evelo Biosciences, Inc.	26-Apr-23
L-296-2019/1	Dougherty, Kelly		Evelo Biosciences, Inc.	26-Apr-23
L-296-2019/1	Hollingshead, Melinda G.		Evelo Biosciences, Inc.	26-Apr-23
L-046-2021/0	(b) (4)		Genentech, Inc.	26-Apr-23
L-046-2021/0	Oberdoerffer, Philipp		Genentech, Inc.	26-Apr-23
L-148-2021/0	Bonomi, Carrie A.		Regeneron Pharmaceuticals, Inc.	26-Apr-23
L-148-2021/0	Dougherty, Kelly		Regeneron Pharmaceuticals, Inc.	26-Apr-23
L-148-2021/0	Hollingshead, Melinda G.		Regeneron Pharmaceuticals, Inc.	26-Apr-23
L-030-2023/0	Gazdar, (b) (6) Adi		AbbVie Inc.	26-Apr-23
L-030-2023/0	Johnson, Bruce E		AbbVie Inc.	26-Apr-23
L-030-2023/0	Kaye, Frederic J		AbbVie Inc.	26-Apr-23
L-030-2023/0	Khleif, Samir N.		AbbVie Inc.	26-Apr-23
L-030-2023/0	Minna, John D.		AbbVie Inc.	26-Apr-23
L-030-2023/0	Oie, (b) (6) Herbert K		AbbVie Inc.	26-Apr-23
L-030-2023/0	Pass, Harvey I		AbbVie Inc.	26-Apr-23
L-086-2023/0	Gazdar, (b) (6) Adi		BlossomHill Therapeutics, Inc	26-Apr-23
L-086-2023/0	Johnson, Bruce E		BlossomHill Therapeutics, Inc	26-Apr-23
L-086-2023/0	Kaye, Frederic J		BlossomHill Therapeutics, Inc	26-Apr-23
L-086-2023/0	Khleif, Samir N.		BlossomHill Therapeutics, Inc	26-Apr-23
L-086-2023/0	Minna, John D.		BlossomHill Therapeutics, Inc	26-Apr-23
L-086-2023/0	Oie, (b) (6) Herbert K		BlossomHill Therapeutics, Inc	26-Apr-23
L-086-2023/0	Pass, Harvey I		BlossomHill Therapeutics, Inc	26-Apr-23
L-086-2023/0	Gazdar, (b) (6) Adi		BlossomHill Therapeutics, Inc	26-Apr-23
L-086-2023/0	Johnson, Bruce E		BlossomHill Therapeutics, Inc	26-Apr-23
L-086-2023/0	Kaye, Frederic J		BlossomHill Therapeutics, Inc	26-Apr-23
L-086-2023/0	Khleif, Samir N.		BlossomHill Therapeutics, Inc	26-Apr-23
L-086-2023/0	Minna, John D.		BlossomHill Therapeutics, Inc	26-Apr-23
L-086-2023/0	Oie, (b) (6) Herbert K		BlossomHill Therapeutics, Inc	26-Apr-23
L-086-2023/0	Pass, Harvey I		BlossomHill Therapeutics, Inc	26-Apr-23
L-064-2011/0	Barry, Todd		Eptiomics Inc	27-Apr-23
L-064-2011/0	Rosenwald, Andreas		Eptiomics Inc	27-Apr-23
L-064-2011/0	Staudt, Louis M.		Eptiomics Inc	27-Apr-23
L-064-2011/0	Wiestner, Adrian		Eptiomics Inc	27-Apr-23
L-064-2011/0	Wilson, Wyndham H.		Eptiomics Inc	27-Apr-23
L-347-2014/0	Muchmore, Brian P.		Abcam, plc	27-Apr-23
L-347-2014/0	O'Brien, Thomas R		Abcam, plc	27-Apr-23
L-347-2014/0	Porter-Gill, Patricia A.		Abcam, plc	27-Apr-23
L-347-2014/0	Prokunina-Olsson, Ludmila		Abcam, plc	27-Apr-23
Note: L-347-2014/0 split between FDA; NCI				
L-051-2017/0	Rudloff, Udo		ImmunityBio, Inc.	27-Apr-23
L-232-2019/0	Palena, Claudia		Abcam plc	27-Apr-23

L-232-2019/0	Schlom, Jeffrey	(b) (4), (b) (6)	Abcam plc	27-Apr-23	(b) (3) (A), (b) (4), (b) (6)
L-076-2022/0	Adhya, Sankar Lal		Gentronix Ltd.	27-Apr-23	
L-076-2022/0	Garges, Susan		Gentronix Ltd.	27-Apr-23	
L-076-2022/0	Jakubczak, John L.		Gentronix Ltd.	27-Apr-23	
L-076-2022/0	Merlino, Glenn T.		Gentronix Ltd.	27-Apr-23	
L-046-2023/0	Gazdar, (b) (6) Adi		Catamaran Bio, Inc.	28-Apr-23	
L-046-2023/0	Johnson, Bruce E		Catamaran Bio, Inc.	28-Apr-23	
L-046-2023/0	Kaye, Frederic J		Catamaran Bio, Inc.	28-Apr-23	
L-046-2023/0	Khleif, Samir N.		Catamaran Bio, Inc.	28-Apr-23	
L-046-2023/0	Minna, John D.		Catamaran Bio, Inc.	28-Apr-23	
L-046-2023/0	Oie, (b) (6) Herbert K		Catamaran Bio, Inc.	28-Apr-23	
L-046-2023/0	Pass, Harvey I		Catamaran Bio, Inc.	28-Apr-23	
L-046-2023/0	Gazdar, (b) (6) Adi		Catamaran Bio, Inc.	28-Apr-23	
L-046-2023/0	Johnson, Bruce E		Catamaran Bio, Inc.	28-Apr-23	
L-046-2023/0	Kaye, Frederic J		Catamaran Bio, Inc.	28-Apr-23	
L-046-2023/0	Khleif, Samir N.		Catamaran Bio, Inc.	28-Apr-23	
L-046-2023/0	Minna, John D.		Catamaran Bio, Inc.	28-Apr-23	
L-046-2023/0	Oie, (b) (6) Herbert K		Catamaran Bio, Inc.	28-Apr-23	
L-046-2023/0	Pass, Harvey I		Catamaran Bio, Inc.	28-Apr-23	

NIH Patent Licensing Activities
NCI
May 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total May Income	License Cumulative Income	Inventor Awards May	Net Remaining to IC
L-273-2014/0	Chang, Nancy T.	(b) (4), (b) (6)	Grifols Worldwide Operations Ltd.	1-May-23	(b) (3) (A), (b) (4), (b) (6)					
L-273-2014/0	Crowl, Robert		Grifols Worldwide Operations Ltd.	1-May-23						
L-273-2014/0	Fisher, Amanda G.		Grifols Worldwide Operations Ltd.	1-May-23						
L-273-2014/0	Hahn, Beatrice		Grifols Worldwide Operations Ltd.	1-May-23						
L-273-2014/0	Popovic, Mikulas		Grifols Worldwide Operations Ltd.	1-May-23						
L-273-2014/0	Reddy, E. Premkumar.		Grifols Worldwide Operations Ltd.	1-May-23						
L-273-2014/0	Sarngadharan, Mangalasseril		Grifols Worldwide Operations Ltd.	1-May-23						
L-273-2014/0	Shaw, George M		Grifols Worldwide Operations Ltd.	1-May-23						
L-283-2019/0	Beyer, Rachel K. B.		Nurix, Inc.	1-May-23						
L-283-2019/0	(b) (4)		Nurix, Inc.	1-May-23						
L-283-2019/0	Holderfield, Matthew T.		Nurix, Inc.	1-May-23						
L-283-2019/0	Soppet, Dan		Nurix, Inc.	1-May-23						
L-046-2023/0	Gazdar, (b) (6) Adi		Catamaran Bio, Inc.	1-May-23						
L-046-2023/0	Johnson, Bruce E		Catamaran Bio, Inc.	1-May-23						
L-046-2023/0	Kaye, Frederic J		Catamaran Bio, Inc.	1-May-23						
L-046-2023/0	Khleif, Samir N.		Catamaran Bio, Inc.	1-May-23						
L-046-2023/0	Minna, John D.		Catamaran Bio, Inc.	1-May-23						
L-046-2023/0	Oie, (b) (6) Herbert K		Catamaran Bio, Inc.	1-May-23						
L-046-2023/0	Pass, Harvey I		Catamaran Bio, Inc.	1-May-23						
L-166-2018/0	Bonomi, Carrie A.		genOway S.A.	3-May-23						
L-166-2018/0	Borgel, Suzanne D.		genOway S.A.	3-May-23						
L-166-2018/0	Dougherty, Kelly		genOway S.A.	3-May-23						
L-166-2018/0	Hollingshead, Melinda G.		genOway S.A.	3-May-23						
L-006-2019/0	Gazdar, (b) (6) Adi		Genentech, Inc	3-May-23						

		(b) (4), (b) (6)			(b) (3) (A), (b) (4), (b) (6)
L-006-2019/0	Johnson, Bruce E		Genentech, Inc	3-May-23	
L-006-2019/0	Kaye, Frederic J		Genentech, Inc	3-May-23	
L-006-2019/0	Khleif, Samir N.		Genentech, Inc	3-May-23	
L-006-2019/0	Minna, John D.		Genentech, Inc	3-May-23	
L-006-2019/0	Oie, (b) (6) Herbert K		Genentech, Inc	3-May-23	
L-006-2019/0	Pass, Harvey I		Genentech, Inc	3-May-23	
L-082-1996/1	Chang, Nancy T.		ZeptoMetrix Corp.	4-May-23	
L-082-1996/1	Crowl, Robert		ZeptoMetrix Corp.	4-May-23	
L-082-1996/1	Fisher, Amanda G.		ZeptoMetrix Corp.	4-May-23	
L-082-1996/1	Hahn, Beatrice		ZeptoMetrix Corp.	4-May-23	
L-082-1996/1	(b) (4)		ZeptoMetrix Corp.	4-May-23	
L-082-1996/1	Popovic, Mikulas		ZeptoMetrix Corp.	4-May-23	
L-082-1996/1	Reddy, E. Premkumar.		ZeptoMetrix Corp.	4-May-23	
L-082-1996/1	Sarngadharan, Mangalasseril		ZeptoMetrix Corp.	4-May-23	
L-082-1996/1	Shaw, George M		ZeptoMetrix Corp.	4-May-23	
L-013-2019/0	Zhu, Zhongyu		Lentigen Corporation	4-May-23	
L-176-2023/0	Gazdar, (b) (6) Adi		Neuvogen, Inc.	4-May-23	
L-176-2023/0	Johnson, Bruce E		Neuvogen, Inc.	4-May-23	
L-176-2023/0	Kaye, Frederic J		Neuvogen, Inc.	4-May-23	
L-176-2023/0	Khleif, Samir N.		Neuvogen, Inc.	4-May-23	
L-176-2023/0	Minna, John D.		Neuvogen, Inc.	4-May-23	
L-176-2023/0	Oie, (b) (6) Herbert K		Neuvogen, Inc.	4-May-23	
L-176-2023/0	Pass, Harvey I		Neuvogen, Inc.	4-May-23	
L-176-2023/0	Gazdar, (b) (6) Adi		Neuvogen, Inc.	4-May-23	
L-176-2023/0	Johnson, Bruce E		Neuvogen, Inc.	4-May-23	
L-176-2023/0	Kaye, Frederic J		Neuvogen, Inc.	4-May-23	
L-176-2023/0	Khleif, Samir N.		Neuvogen, Inc.	4-May-23	
L-176-2023/0	Minna, John D.		Neuvogen, Inc.	4-May-23	
L-176-2023/0	Oie, (b) (6) Herbert K		Neuvogen, Inc.	4-May-23	
L-176-2023/0	Pass, Harvey I		Neuvogen, Inc.	4-May-23	
L-165-2023/0	Gao, Wei		Poseida Therapeutics	5-May-23	
L-165-2023/0	Hassan, Raffit		Poseida Therapeutics	5-May-23	
L-165-2023/0	Ho, Mitchell		Poseida Therapeutics	5-May-23	
L-165-2023/0	Pastan, Ira H.		Poseida Therapeutics	5-May-23	
L-165-2023/0	Phung, Yen T.		Poseida Therapeutics	5-May-23	
L-165-2023/0	Zhang, Yifan		Poseida Therapeutics	5-May-23	
L-149-2008/2	NCI		Bavarian Nordic	8-May-23	
L-233-2023/0	Bonomi, Carrie A.	(b) (4), (b) (6)	ThirtyFiveBio	8-May-23	
L-233-2023/0	Borgel, Suzanne D.		ThirtyFiveBio	8-May-23	
L-233-2023/0	Dougherty, Kelly		ThirtyFiveBio	8-May-23	
L-233-2023/0	Hollingshead, Melinda G.		ThirtyFiveBio	8-May-23	
L-184-2023/0	Schlom, Jeffrey		Precigen, Inc.	10-May-23	
L-184-2023/0	Tsang, Kwong-Yok		Precigen, Inc.	10-May-23	
L-195-2023/0	Bonomi, Carrie A.		Xilio Development, Inc.	10-May-23	
L-195-2023/0	Dougherty, Kelly		Xilio Development, Inc.	10-May-23	
L-195-2023/0	Hollingshead, Melinda G.		Xilio Development, Inc.	10-May-23	
L-192-2015/2	Burgess, Rebecca C.		KeraFAST	11-May-23	
L-192-2015/2	Misteli, Thomas		KeraFAST	11-May-23	
L-192-2015/2	Roukos, Vasileios		KeraFAST	11-May-23	

L-192-2015/2	Soutoglou, Evi	(b) (4), (b) (6)	KeraFAST	11-May-23	(b) (3) (A), (b) (4), (b) (6)
L-192-2015/2	Burgess, Rebecca C.		KeraFAST	11-May-23	
L-192-2015/2	Misteli, Thomas		KeraFAST	11-May-23	
L-192-2015/2	Roukos, Vasileios		KeraFAST	11-May-23	
L-192-2015/2	Soutoglou, Evi		KeraFAST	11-May-23	
L-226-2015/3	Hodge, James W.		KeraFAST	11-May-23	
L-226-2015/3	Schlom, Jeffrey		KeraFAST	11-May-23	
L-272-2016/1	Bonomi, Carrie A.		KeraFAST	11-May-23	
L-272-2016/1	Borgel, Suzanne D.		KeraFAST	11-May-23	
L-272-2016/1	Dougherty, Kelly		KeraFAST	11-May-23	
L-272-2016/1	Hollingshead, Melinda G.		KeraFAST	11-May-23	
L-272-2016/1	Bonomi, Carrie A.		KeraFAST	11-May-23	
L-272-2016/1	Borgel, Suzanne D.		KeraFAST	11-May-23	
L-272-2016/1	Dougherty, Kelly		KeraFAST	11-May-23	
L-272-2016/1	Hollingshead, Melinda G.		KeraFAST	11-May-23	
L-274-2016/1	Brash, Douglas		KeraFAST	11-May-23	
L-274-2016/1	Gerwin, Brenda I.		KeraFAST	11-May-23	
L-274-2016/1	Harris, Curtis C.		KeraFAST	11-May-23	
L-274-2016/1	Reddel, Roger R.		KeraFAST	11-May-23	
L-274-2016/1	Rhim, Johng S.		KeraFAST	11-May-23	
L-274-2016/1	Yang, Ke		KeraFAST	11-May-23	
L-037-2017/3	Esposito, Dominic		KeraFAST	11-May-23	
L-037-2017/3	Hopkins, Ralph F.		KeraFAST	11-May-23	
L-054-2017/1	Barrett, James Carl		KeraFAST	11-May-23	
L-054-2017/1	Custer, Mary		KeraFAST	11-May-23	
L-054-2017/1	Risinger, John		KeraFAST	11-May-23	
L-086-2017/1	Rader, Christoph		KeraFAST	11-May-23	
L-263-2017/2	(b) (4)		KeraFAST	11-May-23	
L-263-2017/2	Esposito, Dominic		KeraFAST	11-May-23	
L-263-2017/2	Hopkins, Ralph F.		KeraFAST	11-May-23	
L-263-2017/2	Roberts, Veronica Ann		KeraFAST	11-May-23	
L-119-2018/0	Reynolds, Della Anne		KeraFAST	11-May-23	
L-119-2018/0	Young, Howard A.		KeraFAST	11-May-23	
L-049-2018/1	Bonomi, Carrie A.		BrightPath Biotherapeutics Co., Ltd.	15-May-23	
L-049-2018/1	Borgel, Suzanne D.		BrightPath Biotherapeutics Co., Ltd.	15-May-23	
L-049-2018/1	Dougherty, Kelly		BrightPath Biotherapeutics Co., Ltd.	15-May-23	
L-049-2018/1	Hollingshead, Melinda G.		BrightPath Biotherapeutics Co., Ltd.	15-May-23	
L-147-2021/0	Bonomi, Carrie A.		LG Chem, Ltd	15-May-23	
L-147-2021/0	Borgel, Suzanne D.		LG Chem, Ltd	15-May-23	
L-147-2021/0	Dougherty, Kelly		LG Chem, Ltd	15-May-23	
L-147-2021/0	Hollingshead, Melinda G.		LG Chem, Ltd	15-May-23	
L-002-2004/1	Kawakami, Yutaka		Cell Marque	16-May-23	
L-002-2004/1	Robbins, Paul F.		Cell Marque	16-May-23	
L-001-2008/2	Austin, Faye C.		Cell Marque Corporation	16-May-23	
L-001-2008/2	Colcher, David		Cell Marque Corporation	16-May-23	

		(b) (4), (b) (6)			(b) (3) (A), (b) (4), (b) (6)
L-001-2008/2	Hand, Patricia H.		Cell Marque Corporation	16-May-23	
L-001-2008/2	Nuti, Marianna		Cell Marque Corporation	16-May-23	
L-001-2008/2	Schlom, Jeffrey		Cell Marque Corporation	16-May-23	
L-241-2016/0	Bonomi, Carrie A.		BeiGene, Ltd.	16-May-23	
L-241-2016/0	Borgel, Suzanne D.		BeiGene, Ltd.	16-May-23	
L-241-2016/0	Dougherty, Kelly		BeiGene, Ltd.	16-May-23	
L-241-2016/0	Hollingshead, Melinda G.		BeiGene, Ltd.	16-May-23	
L-087-2022/0	Aaronson, Stuart A.		Imugene Limited,	16-May-23	
L-087-2022/0	(b) (6) Donald J. Giard		Imugene Limited,	16-May-23	
L-087-2022/0	Parks, Wade P.		Imugene Limited,	16-May-23	
L-147-2018/0	Bonomi, Carrie A.		Genentech	17-May-23	
L-147-2018/0	Borgel, Suzanne D.		Genentech	17-May-23	
L-147-2018/0	Dougherty, Kelly		Genentech	17-May-23	
L-147-2018/0	Hollingshead, Melinda G.		Genentech	17-May-23	
L-072-2021/0	Bonomi, Carrie A.		Bristol Myers Squibb	19-May-23	
L-072-2021/0	Borgel, Suzanne D.		Bristol Myers Squibb	19-May-23	
L-072-2021/0	Dougherty, Kelly		Bristol Myers Squibb	19-May-23	
L-072-2021/0	Hollingshead, Melinda G.		Bristol Myers Squibb	19-May-23	
L-197-2022/0	Schlom, Jeffrey		Bristol Myers Squibb	19-May-23	
L-297-2014/3	Gelboin, (b) (6) Harry		CYP450-GP	22-May-23	
L-297-2014/3	Gonzalez, Frank J.		CYP450-GP	22-May-23	
L-297-2014/3	Krausz, Kristopher W.		CYP450-GP	22-May-23	
L-224-2015/1	NCI		2seventy bio	22-May-23	
L-308-2017/0	NCI		Rapa Therapeutics LLC	23-May-23	
L-138-2023/0	Buck, Christopher	(b) (4), (b) (6)	CPL Biologicals pvt. Ltd.	23-May-23	
L-138-2023/0	(b) (4)		CPL Biologicals pvt. Ltd.	23-May-23	
L-138-2023/0	Lowy, Douglas R.		CPL Biologicals pvt. Ltd.	23-May-23	
L-138-2023/0	Pastrana, Diana V		CPL Biologicals pvt. Ltd.	23-May-23	
L-138-2023/0	Roden, Richard B.		CPL Biologicals pvt. Ltd.	23-May-23	
L-138-2023/0	Schiller, John T.		CPL Biologicals pvt. Ltd.	23-May-23	
L-256-2020/0	Hodge, Deborah		Selecta Biosciences Inc	24-May-23	
L-256-2020/0	Young, Howard A.		Selecta Biosciences Inc	24-May-23	
L-175-2021/0	Bonomi, Carrie A.		Prokarium Ltd.	24-May-23	
L-175-2021/0	Borgel, Suzanne D.		Prokarium Ltd.	24-May-23	
L-175-2021/0	Dougherty, Kelly		Prokarium Ltd.	24-May-23	
L-175-2021/0	Hollingshead, Melinda G.		Prokarium Ltd.	24-May-23	
L-057-2022/0	Gazdar, (b) (6) Adi		Daiichi Sankyo Co., Ltd.	25-May-23	
L-057-2022/0	Johnson, Bruce E		Daiichi Sankyo Co., Ltd.	25-May-23	
L-057-2022/0	Kaye, Frederic J		Daiichi Sankyo Co., Ltd.	25-May-23	
L-057-2022/0	Khleif, Samir N.		Daiichi Sankyo Co., Ltd.	25-May-23	
L-057-2022/0	Minna, John D.		Daiichi Sankyo Co., Ltd.	25-May-23	
L-057-2022/0	Oie, (b) (6) Herbert K		Daiichi Sankyo Co., Ltd.	25-May-23	
L-057-2022/0	Pass, Harvey I		Daiichi Sankyo Co., Ltd.	25-May-23	
L-125-2013/0	Gazdar, (b) (6) Adi		BioRad	26-May-23	
L-125-2013/0	Johnson, Bruce E		BioRad	26-May-23	
L-125-2013/0	Kaye, Frederic J		BioRad	26-May-23	

(b) (3) (A), (b) (4), (b) (6)

L-125-2013/0	Khleif, Samir N.	(b) (4), (b) (6)	BioRad	26-May-23
L-125-2013/0	Minna, John D.		BioRad	26-May-23
L-125-2013/0	Oie, (b) (6) Herbert K		BioRad	26-May-23
L-125-2013/0	Pass, Harvey I		BioRad	26-May-23
L-094-2022/0	Bonomi, Carrie A.		Nuanced Health, Inc.	30-May-23
L-094-2022/0	Borgel, Suzanne D.		Nuanced Health, Inc.	30-May-23
L-094-2022/0	Dougherty, Kelly		Nuanced Health, Inc.	30-May-23
L-094-2022/0	Hollingshead, Melinda G.		Nuanced Health, Inc.	30-May-23

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(b) (3) (A), (b) (4), (b) (6)

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total June Income	License Cumulative Income	Inventor Awards June	Net Remaining to IC
L-154-1997/2	Mason, Llewellyn H.	(b) (4), (b) (6)	BD Biosciences - BD PharMingen	1-Jun-23						
L-154-1997/2	Ortaldo, John R.		BD Biosciences - BD PharMingen	1-Jun-23						
L-097-2000/3	Austin, Faye C.		BD Biosciences, PharMingen	1-Jun-23						
L-097-2000/3	Colcher, David		BD Biosciences, PharMingen	1-Jun-23						
L-097-2000/3	Hand, Patricia H.		BD Biosciences, PharMingen	1-Jun-23						
L-097-2000/3	Nuti, Marianna		BD Biosciences, PharMingen	1-Jun-23						
L-097-2000/3	Schlom, Jeffrey		BD Biosciences, PharMingen	1-Jun-23						
L-039-2011/0	Onda, Masanori		Rockland Immunochemicals, Inc.	1-Jun-23						
L-039-2011/0	Pastan, Ira H.		Rockland Immunochemicals, Inc.	1-Jun-23						
L-208-2013/0	Bernardo, Marcelino L. (b)		Rakuten Medical	1-Jun-23						
L-208-2013/0	Choyke, Peter L		Rakuten Medical	1-Jun-23						
L-208-2013/0	Kobayashi, Hisataka		Rakuten Medical	1-Jun-23						
L-208-2013/0	Mitsunaga, Makoto		Rakuten Medical	1-Jun-23						
L-179-2016/1	Gazdar, (b) (6) Adi		Janssen Research Foundation	1-Jun-23						
L-179-2016/1	Johnson, Bruce E		Janssen Research Foundation	1-Jun-23						
L-179-2016/1	Kaye, Frederic J		Janssen Research Foundation	1-Jun-23						
L-179-2016/1	Khleif, Samir N.		Janssen Research Foundation	1-Jun-23						
L-179-2016/1	Minna, John D.		Janssen Research Foundation	1-Jun-23						
L-179-2016/1	Oie, (b) (6) Herbert K		Janssen Research Foundation	1-Jun-23						
L-179-2016/1	Pass, Harvey I		Janssen Research Foundation	1-Jun-23						
L-204-2019/0	Moore, William J.		Vanderbilt University	1-Jun-23						
L-204-2019/0	Neckers, Leonard		Vanderbilt University	1-Jun-23						
Note: L-204-2019/0 split between NCATS; NCI										
L-264-2020/0	Neckers, Leonard		Vanderbilt University	1-Jun-23						
Note: L-264-2020/0 split between NCATS; NCI										
L-044-2022/0	Gottesman, Michael M.		Merck Sharp & Dohme Corp.	1-Jun-23						
L-044-2022/0	Pastan, Ira H.		Merck Sharp & Dohme Corp.	1-Jun-23						
L-044-2022/0	Ueda, Kazumitsu		Merck Sharp & Dohme Corp.	1-Jun-23						
L-109-2022/0	Gottesman, Michael M.		Sai Life Sciences Limited	1-Jun-23						
L-109-2022/0	Pastan, Ira H.		Sai Life Sciences Limited	1-Jun-23						
L-109-2022/0	Ueda, Kazumitsu		Sai Life Sciences Limited	1-Jun-23						
L-100-2023/0	Beyer, Rachel K. B.		Biond Biologics Ltd.	1-Jun-23						

L-100-2023/0	(b) (4)	(b) (4), (b) (6)	Biond Biologics Ltd.	1-Jun-23	(b) (3) (A), (b) (4), (b) (6)
L-100-2023/0	Holderfield, Matthew T.		Biond Biologics Ltd.	1-Jun-23	
L-100-2023/0	Soppet, Dan		Biond Biologics Ltd.	1-Jun-23	
L-141-2023/0	Bonomi, Carrie A.		Astellas Pharma Inc.	1-Jun-23	
L-141-2023/0	Borgel, Suzanne D.		Astellas Pharma Inc.	1-Jun-23	
L-141-2023/0	Dougherty, Kelly		Astellas Pharma Inc.	1-Jun-23	
L-141-2023/0	Hollingshead, Melinda G.		Astellas Pharma Inc.	1-Jun-23	
L-019-2008/0	Ahlers, Jeffrey D		Institut Pasteur	2-Jun-23	
L-019-2008/0	Berzofsky, Jay A.		Institut Pasteur	2-Jun-23	
L-019-2008/0	Chang, Nancy T.		Institut Pasteur	2-Jun-23	
L-019-2008/0	Crowl, Robert		Institut Pasteur	2-Jun-23	
L-019-2008/0	Fisher, Amanda G.		Institut Pasteur	2-Jun-23	
L-019-2008/0	Hahn, Beatrice		Institut Pasteur	2-Jun-23	
L-019-2008/0	Nara, Peter L		Institut Pasteur	2-Jun-23	
L-019-2008/0	Pendleton, Charles D.		Institut Pasteur	2-Jun-23	
L-019-2008/0	Popovic, Mikulas		Institut Pasteur	2-Jun-23	
L-019-2008/0	Reddy, E. Premkumar.		Institut Pasteur	2-Jun-23	
L-019-2008/0	Sarngadharan, Mangalasseril		Institut Pasteur	2-Jun-23	
L-019-2008/0	Shaw, George M		Institut Pasteur	2-Jun-23	
L-019-2008/0	Shirai, Mutsunori		Institut Pasteur	2-Jun-23	
Note: L-019-2008/0 split between FDA; NCI; NIAID; NIBIB; NIDDK					
L-248-2019/0	Hinrichs, Christian S.	(b) (4), (b) (6)	Regeneron Pharmaceuticals, Inc.	2-Jun-23	
L-248-2019/0	Jin, Benjamin Yongzu		Regeneron Pharmaceuticals, Inc.	2-Jun-23	
L-098-2023/0	Gazdar, (b) (6) Adi		Mitsubishi Tanabe Pharma Corporation	2-Jun-23	
L-098-2023/0	Johnson, Bruce E		Mitsubishi Tanabe Pharma Corporation	2-Jun-23	
L-098-2023/0	Kaye, Frederic J		Mitsubishi Tanabe Pharma Corporation	2-Jun-23	
L-098-2023/0	Khleif, Samir N.		Mitsubishi Tanabe Pharma Corporation	2-Jun-23	
L-098-2023/0	Minna, John D.		Mitsubishi Tanabe Pharma Corporation	2-Jun-23	
L-098-2023/0	Oie, (b) (6) Herbert K		Mitsubishi Tanabe Pharma Corporation	2-Jun-23	
L-098-2023/0	Pass, Harvey I		Mitsubishi Tanabe Pharma Corporation	2-Jun-23	
L-243-2023/0	Bonomi, Carrie A.		Normunity, Inc.	2-Jun-23	
L-243-2023/0	Borgel, Suzanne D.		Normunity, Inc.	2-Jun-23	
L-243-2023/0	Dougherty, Kelly		Normunity, Inc.	2-Jun-23	
L-243-2023/0	Hollingshead, Melinda G.		Normunity, Inc.	2-Jun-23	
L-259-2023/0	Bonomi, Carrie A.		Plexium Inc.	5-Jun-23	
L-259-2023/0	Dougherty, Kelly		Plexium Inc.	5-Jun-23	
L-259-2023/0	Hollingshead, Melinda G.		Plexium Inc.	5-Jun-23	
L-129-2018/0	Bonomi, Carrie A.		IGM Bioscience	7-Jun-23	
L-129-2018/0	Borgel, Suzanne D.		IGM Bioscience	7-Jun-23	
L-129-2018/0	Dougherty, Kelly		IGM Bioscience	7-Jun-23	
L-129-2018/0	Hollingshead, Melinda G.		IGM Bioscience	7-Jun-23	
L-046-2020/0	Bluestone, Jeffrey A.		Proteintech Group, Inc.	7-Jun-23	
L-046-2020/0	Leo, Oberdan		Proteintech Group, Inc.	7-Jun-23	
L-046-2020/0	Vos, Michele		Proteintech Group, Inc.	7-Jun-23	
L-164-2020/0	Hathcock, Karen		Proteintech Group, Inc.	7-Jun-23	
L-164-2020/0	Hodes, Richard J		Proteintech Group, Inc.	7-Jun-23	
L-164-2020/0	Laszlo, Gloria		Proteintech Group, Inc.	7-Jun-23	
L-169-2023/0	Palmer, Douglas		Shoreline Biosciences, Inc	7-Jun-23	
L-169-2023/0	Restifo, Nicholas P.		Shoreline Biosciences, Inc	7-Jun-23	

(b) (3) (A), (b) (4), (b) (6)

L-169-2023/0	Palmer, Douglas	(b) (4), (b) (6)	Shoreline Biosciences, Inc	7-Jun-23
L-169-2023/0	Restifo, Nicholas P.		Shoreline Biosciences, Inc	7-Jun-23
L-006-2018/0	Austin, Faye C.		Diagnostic BioSystems	8-Jun-23
L-006-2018/0	Colcher, David		Diagnostic BioSystems	8-Jun-23
L-006-2018/0	Hand, Patricia H.		Diagnostic BioSystems	8-Jun-23
L-006-2018/0	Nuti, Marianna		Diagnostic BioSystems	8-Jun-23
L-006-2018/0	Schlom, Jeffrey		Diagnostic BioSystems	8-Jun-23
L-100-2017/0	Bonomi, Carrie A.		Genmab, B.V.	9-Jun-23
L-100-2017/0	Borgel, Suzanne D.		Genmab, B.V.	9-Jun-23
L-100-2017/0	Dougherty, Kelly		Genmab, B.V.	9-Jun-23
L-100-2017/0	Hollingshead, Melinda G.		Genmab, B.V.	9-Jun-23
L-073-2020/0	Bonomi, Carrie A.		Glenmark Research Center	9-Jun-23
L-073-2020/0	Borgel, Suzanne D.		Glenmark Research Center	9-Jun-23
L-073-2020/0	Dougherty, Kelly		Glenmark Research Center	9-Jun-23
L-073-2020/0	Hollingshead, Melinda G.		Glenmark Research Center	9-Jun-23
L-155-2021/0	Gazdar, (b) (6) Adi		Sanofi-Aventis Recherche & Develop	9-Jun-23
L-155-2021/0	Johnson, Bruce E		Sanofi-Aventis Recherche & Develop	9-Jun-23
L-155-2021/0	Kaye, Frederic J		Sanofi-Aventis Recherche & Develop	9-Jun-23
L-155-2021/0	Khleif, Samir N.		Sanofi-Aventis Recherche & Develop	9-Jun-23
L-155-2021/0	Minna, John D.		Sanofi-Aventis Recherche & Develop	9-Jun-23
L-155-2021/0	Oie, (b) (6) Herbert K		Sanofi-Aventis Recherche & Develop	9-Jun-23
L-155-2021/0	Pass, Harvey I		Sanofi-Aventis Recherche & Develop	9-Jun-23
L-113-2019/1	Gottesman, Michael M.		Pharmaron Beijing Co., LTD	13-Jun-23
L-113-2019/1	Pastan, Ira H.		Pharmaron Beijing Co., LTD	13-Jun-23
L-113-2019/1	Ueda, Kazumitsu		Pharmaron Beijing Co., LTD	13-Jun-23
L-190-1998/1	Chang, Nancy T.		ViroGen Corp.	14-Jun-23
L-190-1998/1	Crowl, Robert		ViroGen Corp.	14-Jun-23
L-190-1998/1	Franchini, Genoveffa		ViroGen Corp.	14-Jun-23
L-190-1998/1	Gartner, Suzanne		ViroGen Corp.	14-Jun-23
L-190-1998/1	Lori, Franco C.		ViroGen Corp.	14-Jun-23
L-190-1998/1	Markham, Phillip D.		ViroGen Corp.	14-Jun-23
L-190-1998/1	Reddy, E. Premkumar.		ViroGen Corp.	14-Jun-23
L-190-1998/1	Reitz, Jr., Marvin S.		ViroGen Corp.	14-Jun-23
L-190-1998/1	Sarngadharan, Mangalasseril		ViroGen Corp.	14-Jun-23
L-059-2019/0	Spiese, Paul J		Regeneron Pharmaceuticals, Inc	14-Jun-23
L-059-2019/0	Yang, James Chung-Yin		Regeneron Pharmaceuticals, Inc	14-Jun-23
L-210-2022/0	Gazdar, (b) (6) Adi		Regeneron Pharmaceuticals. Inc.	14-Jun-23
L-210-2022/0	Johnson, Bruce E		Regeneron Pharmaceuticals. Inc.	14-Jun-23
L-210-2022/0	Kaye, Frederic J		Regeneron Pharmaceuticals. Inc.	14-Jun-23
L-210-2022/0	Khleif, Samir N.		Regeneron Pharmaceuticals. Inc.	14-Jun-23
L-210-2022/0	Minna, John D.		Regeneron Pharmaceuticals. Inc.	14-Jun-23
L-210-2022/0	Oie, (b) (6) Herbert K		Regeneron Pharmaceuticals. Inc.	14-Jun-23
L-210-2022/0	Pass, Harvey I		Regeneron Pharmaceuticals. Inc.	14-Jun-23
L-061-2014/0	Hwu, Patrick		Cabaret Biotech Ltd.	15-Jun-23
L-073-2020/0	Bonomi, Carrie A.		Glenmark Research Center	15-Jun-23
L-073-2020/0	Borgel, Suzanne D.		Glenmark Research Center	15-Jun-23
L-073-2020/0	Dougherty, Kelly		Glenmark Research Center	15-Jun-23
L-073-2020/0	Hollingshead, Melinda G.		Glenmark Research Center	15-Jun-23

(b) (3) (A), (b) (4), (b) (6)

L-164-2013/3	NCI	Aura Biosciences, Inc.	16-Jun-23
L-180-2022/0	Hamilton, Thomas C.	(b) (4), (b) (6) oche Diagnositcs GmbH	20-Jun-23
L-180-2022/0	Ozols, Robert F	oche Diagnositcs GmbH	20-Jun-23
L-093-2010/1	Chang, Nancy T.	ioLytical Labs	21-Jun-23
L-093-2010/1	Crowl, Robert	ioLytical Labs	21-Jun-23
L-093-2010/1	(b) (4)	ioLytical Labs	21-Jun-23
L-093-2010/1	Reddy, E. Premkumar.	ioLytical Labs	21-Jun-23
L-129-2021/1	Aaronson, Stuart A.	rown Bioscience Inc.	21-Jun-23
L-129-2021/1	Bonomi, Carrie A.	rown Bioscience Inc.	21-Jun-23
L-129-2021/1	Borgel, Suzanne D.	rown Bioscience Inc.	21-Jun-23
L-129-2021/1	Buck, Christopher	rown Bioscience Inc.	21-Jun-23
L-129-2021/1	Dougherty, Kelly	rown Bioscience Inc.	21-Jun-23
L-129-2021/1	Gazdar, (b) (6) Adi	rown Bioscience Inc.	21-Jun-23
L-129-2021/1	Hamilton, Thomas C.	rown Bioscience Inc.	21-Jun-23
L-129-2021/1	Hollingshead, Melinda G.	rown Bioscience Inc.	21-Jun-23
L-129-2021/1	Jainchill, John L.	rown Bioscience Inc.	21-Jun-23
L-129-2021/1	Johnson, Bruce E	rown Bioscience Inc.	21-Jun-23
L-129-2021/1	Kaye, Frederic J	rown Bioscience Inc.	21-Jun-23
L-129-2021/1	Khleif, Samir N.	rown Bioscience Inc.	21-Jun-23
L-129-2021/1	Minna, John D.	rown Bioscience Inc.	21-Jun-23
L-129-2021/1	Oie, (b) (6) Herbert K	rown Bioscience Inc.	21-Jun-23
L-129-2021/1	Ozols, Robert F	rown Bioscience Inc.	21-Jun-23
L-129-2021/1	Pass, Harvey I	rown Bioscience Inc.	21-Jun-23
L-129-2021/1	Schiller, John T.	rown Bioscience Inc.	21-Jun-23
L-129-2021/1	Todaro, George J.	rown Bioscience Inc.	21-Jun-23
L-148-2021/0	Bonomi, Carrie A.	egeneron Pharmaceuticals, Inc.	21-Jun-23
L-148-2021/0	Dougherty, Kelly	egeneron Pharmaceuticals, Inc.	21-Jun-23
L-148-2021/0	Hollingshead, Melinda G.	egeneron Pharmaceuticals, Inc.	21-Jun-23
L-211-2022/0	Doroshow, James H.	egeneron Pharmaceuticals, Inc.	21-Jun-23
L-211-2022/0	Navas, Mario Antonio	egeneron Pharmaceuticals, Inc.	21-Jun-23
L-211-2022/0	Parchment, Ralph E.	egeneron Pharmaceuticals, Inc.	21-Jun-23
L-211-2022/0	Pfister, Thomas D.	egeneron Pharmaceuticals, Inc.	21-Jun-23
L-211-2022/0	Srivastava, Apurva	egeneron Pharmaceuticals, Inc.	21-Jun-23
L-132-2021/0	Beyer, Rachel K. B.	licio Therapeutics	22-Jun-23
L-132-2021/0	(b) (4)	licio Therapeutics	22-Jun-23
L-132-2021/0	Holderfield, Matthew T.	licio Therapeutics	22-Jun-23
L-132-2021/0	Soppet, Dan	licio Therapeutics	22-Jun-23
L-061-2023/0	Gazdar, (b) (6) Adi	bbVie Inc.	22-Jun-23
L-061-2023/0	Johnson, Bruce E	bbVie Inc.	22-Jun-23
L-061-2023/0	Kaye, Frederic J	bbVie Inc.	22-Jun-23
L-061-2023/0	Khleif, Samir N.	bbVie Inc.	22-Jun-23
L-061-2023/0	Minna, John D.	bbVie Inc.	22-Jun-23
L-061-2023/0	Oie, (b) (6) Herbert K	bbVie Inc.	22-Jun-23
L-061-2023/0	Pass, Harvey I	bbVie Inc.	22-Jun-23
L-252-2017/1	Bonomi, Carrie A.	hampions Oncology, Inc.	23-Jun-23
L-252-2017/1	Borgel, Suzanne D.	hampions Oncology, Inc.	23-Jun-23
L-252-2017/1	Dougherty, Kelly	hampions Oncology, Inc.	23-Jun-23
L-252-2017/1	Hollingshead, Melinda G.	hampions Oncology, Inc.	23-Jun-23
L-032-2018/1	Bonomi, Carrie A.	evolution Medicines, Inc.	23-Jun-23

L-032-2018/1	Borgel, Suzanne D.	(b) (4), (b) (6)	Revolution Medicines, Inc.	23-Jun-23	(b) (3) (A), (b) (4), (b) (6)
L-032-2018/1	Dougherty, Kelly		Revolution Medicines, Inc.	23-Jun-23	
L-032-2018/1	Hollingshead, Melinda G.		Revolution Medicines, Inc.	23-Jun-23	
L-164-2018/0	Perantoni, Alan O.		Kumamoto University	23-Jun-23	
L-164-2018/0	Tanigawa, Shunsuke		Kumamoto University	23-Jun-23	
L-141-2021/0	NCI		Champions Oncology, Inc.	23-Jun-23	
L-010-2023/0	NCI		Champions Oncology, Inc.	23-Jun-23	
L-035-2020/0	Bonomi, Carrie A.	(b) (4), (b) (6)	Celgene Corp	26-Jun-23	
L-035-2020/0	Dougherty, Kelly		Celgene Corp	26-Jun-23	
L-035-2020/0	Hollingshead, Melinda G.		Celgene Corp	26-Jun-23	
L-144-2023/0	NCI		SensID GmbH	27-Jun-23	
L-144-2023/0	NCI		SensID GmbH	27-Jun-23	
L-004-2007/2	NCI		Life Technologies Corp.	28-Jun-23	
L-209-2015/0	NCI		HistoCyte Laboratories	28-Jun-23	
L-191-2020/0	Bonomi, Carrie A.	(b) (4), (b) (6)	Actym Therapeutics, Inc	28-Jun-23	
L-191-2020/0	Borgel, Suzanne D.		Actym Therapeutics, Inc	28-Jun-23	
L-191-2020/0	Dougherty, Kelly		Actym Therapeutics, Inc	28-Jun-23	
L-191-2020/0	Hollingshead, Melinda G.		Actym Therapeutics, Inc	28-Jun-23	
L-224-2015/1	NCI		2seventy bio	29-Jun-23	
L-259-2016/6	Cafri, Gal	(b) (4), (b) (6)	BioNTech	29-Jun-23	
L-259-2016/6	Hanada, Kenichi		BioNTech	29-Jun-23	
L-259-2016/6	Levin, Noam		BioNTech	29-Jun-23	
L-259-2016/6	Lowery, Frank		BioNTech	29-Jun-23	
L-259-2016/6	Lu, Yong-Chen		BioNTech	29-Jun-23	
L-259-2016/6	Paria, Biman		BioNTech	29-Jun-23	
L-259-2016/6	Parkhurst, Maria		BioNTech	29-Jun-23	
L-259-2016/6	Pasetto, Anna		BioNTech	29-Jun-23	
L-259-2016/6	Robbins, Paul F.		BioNTech	29-Jun-23	
L-259-2016/6	Tran, Eric		BioNTech	29-Jun-23	
L-259-2016/6	Wang, Qiong		BioNTech	29-Jun-23	
L-259-2016/6	Yang, James Chung-Yin		BioNTech	29-Jun-23	
L-259-2016/6	Yoseph, Rami		BioNTech	29-Jun-23	
L-259-2016/6	Yu, Zhiya		BioNTech	29-Jun-23	
L-259-2016/6	Zheng, Zhili		BioNTech	29-Jun-23	
L-259-2016/6	Cafri, Gal		BioNTech	29-Jun-23	
L-259-2016/6	Hanada, Kenichi		BioNTech	29-Jun-23	
L-259-2016/6	Levin, Noam		BioNTech	29-Jun-23	
L-259-2016/6	Lowery, Frank		BioNTech	29-Jun-23	
L-259-2016/6	Lu, Yong-Chen		BioNTech	29-Jun-23	
L-259-2016/6	Paria, Biman		BioNTech	29-Jun-23	
L-259-2016/6	Parkhurst, Maria		BioNTech	29-Jun-23	
L-259-2016/6	Pasetto, Anna		BioNTech	29-Jun-23	
L-259-2016/6	Robbins, Paul F.		BioNTech	29-Jun-23	
L-259-2016/6	Tran, Eric		BioNTech	29-Jun-23	
L-259-2016/6	Wang, Qiong		BioNTech	29-Jun-23	
L-259-2016/6	Yang, James Chung-Yin		BioNTech	29-Jun-23	
L-259-2016/6	Yoseph, Rami		BioNTech	29-Jun-23	

(b) (3) (A), (b) (4), (b) (6)

L-259-2016/6	Yu, Zhiya	(b) (4),	BioNTech	29-Jun-23
L-259-2016/6	Zheng, Zhili	(b) (6)	BioNTech	29-Jun-23
L-151-2019/1	Bonomi, Carrie A.		Pliant Therapeutics, Inc.	29-Jun-23
L-151-2019/1	Borgel, Suzanne D.		Pliant Therapeutics, Inc.	29-Jun-23
L-151-2019/1	Dougherty, Kelly		Pliant Therapeutics, Inc.	29-Jun-23
L-151-2019/1	Hollingshead, Melinda G.		Pliant Therapeutics, Inc.	29-Jun-23
L-073-2021/0	Figg, William D.		AevisBio, Inc	29-Jun-23

Note: L-073-2021/0 split between NCI; NIA

NIH Patent Licensing Activities
NCI
July 2023

(b) (3) (A), (b) (4), (b) (6)

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total July Income	License Cumulative Income	Inventor Awards July	Net Remaining to IC
L-137-2010/1	Potter, (b) (6) Michael	(b) (4), (b) (6)	Exbio	3-Jul-23						
L-003-2012/1	Potter, (b) (6) Michael		Exbio Praha AS	3-Jul-23						
L-092-2013/1	Potter, (b) (6) Michael		EXBIO Praha	3-Jul-23						
L-102-2013/1	Hathcock, Karen		EXBIO Praha	3-Jul-23						
L-102-2013/1	Hodes, Richard J		EXBIO Praha	3-Jul-23						
L-102-2013/1	Laszlo, Gloria		EXBIO Praha	3-Jul-23						
Note: L-102-2013/1 split between NCI; NIA										
L-085-2020/0	Austin, Faye C.		EXBIO Praha	3-Jul-23						
L-085-2020/0	Colcher, David		EXBIO Praha	3-Jul-23						
L-085-2020/0	Hand, Patricia H.		EXBIO Praha	3-Jul-23						
L-085-2020/0	Nuti, Marianna		EXBIO Praha	3-Jul-23						
L-085-2020/0	Schlom, Jeffrey		EXBIO Praha	3-Jul-23						
L-179-2022/0	Fleming, Bryan		EMD Millipore Corporation	3-Jul-23						
L-179-2022/0	Ho, Mitchell		EMD Millipore Corporation	3-Jul-23						
L-179-2022/0	Li, Nan		EMD Millipore Corporation	3-Jul-23						
L-223-2023/0	Wang, Herui		Alstem, Inc.	3-Jul-23						
L-223-2023/0	Zhuang, Zhengping		Alstem, Inc.	3-Jul-23						
L-080-1993/3	Hathcock, Karen		BD Biosciences - BD PharMingen, Inc.	5-Jul-23						
L-080-1993/3	Hodes, Richard J		BD Biosciences - BD PharMingen, Inc.	5-Jul-23						
L-080-1993/3	Laszlo, Gloria		BD Biosciences - BD PharMingen, Inc.	5-Jul-23						
L-065-2021/2	NCI		Lyell Immunopharma, Inc.	5-Jul-23						
Note: L-065-2021/2 split between NCI; NIAID										
L-113-2022/0	NCI		Lyell Immunopharma, Inc.	5-Jul-23						
L-250-2017/0	Bonomi, Carrie A.	(b) (4),	Aragen Bioscience, Inc.	6-Jul-23						
L-250-2017/0	Borgel, Suzanne D.	(b) (6)	Aragen Bioscience, Inc.	6-Jul-23						
L-250-2017/0	Dougherty, Kelly		Aragen Bioscience, Inc.	6-Jul-23						
L-250-2017/0	Hollingshead, Melinda G.		Aragen Bioscience, Inc.	6-Jul-23						
L-095-2023/0	Bonomi, Carrie A.		76Bio, Inc.	6-Jul-23						
L-095-2023/0	Borgel, Suzanne D.		76Bio, Inc.	6-Jul-23						

L-095-2023/0	Dougherty, Kelly	(b) (4), (b) (6)	76Bio, Inc.	6-Jul-23	(b) (3) (A), (b) (4), (b) (6)
L-095-2023/0	Hollingshead, Melinda G.		76Bio, Inc.	6-Jul-23	
L-078-2019/1	Bonomi, Carrie A.		OMEROS Corporation	7-Jul-23	
L-078-2019/1	Borgel, Suzanne D.		OMEROS Corporation	7-Jul-23	
L-078-2019/1	Dougherty, Kelly		OMEROS Corporation	7-Jul-23	
L-078-2019/1	Hollingshead, Melinda G.		OMEROS Corporation	7-Jul-23	
L-273-2014/0	Chang, Nancy T.		Grifols Worldwide Operations Ltd.	10-Jul-23	
L-273-2014/0	Crowl, Robert		Grifols Worldwide Operations Ltd.	10-Jul-23	
L-273-2014/0	Fisher, Amanda G.		Grifols Worldwide Operations Ltd.	10-Jul-23	
L-273-2014/0	Hahn, Beatrice		Grifols Worldwide Operations Ltd.	10-Jul-23	
L-273-2014/0	Reddy, E. Premkumar.		Grifols Worldwide Operations Ltd.	10-Jul-23	
L-273-2014/0	Sarngadharan, Mangalasseril		Grifols Worldwide Operations Ltd.	10-Jul-23	
L-063-2016/2	NCI		GlaxoSmithKline	10-Jul-23	
L-259-2017/0	NCI		CRISPR Therapeutics AG	10-Jul-23	
L-066-2015/1	NCI		Genentech., Inc.	11-Jul-23	
L-161-2018/1	NCI		NEUVOGEN, Inc	11-Jul-23	
L-216-2023/0	Tessarollo, Lino	(b) (4), (b) (6)	AbCellera Biologics Inc.	11-Jul-23	
Note: L-216-2023/0 split between NCI; NIAMS					
L-283-2023/0	Kim, Sanghyun		2seventy bio	11-Jul-23	
L-283-2023/0	Levin, Noam		2seventy bio	11-Jul-23	
L-283-2023/0	Zacharakis, Nikolaos		2seventy bio	11-Jul-23	
L-043-2021/1	Keseling, Beverly G		PTC Therapeutics GT, Inc.	12-Jul-23	
L-161-2021/0	Kozlov, Serguei		Nuevocor Pte. Ltd.	13-Jul-23	
L-161-2021/0	Stewart, Colin L.		Nuevocor Pte. Ltd.	13-Jul-23	
L-066-2015/1	NCI		Genentech., Inc.	14-Jul-23	
L-279-2017/1	Bonomi, Carrie A.	(b) (4), (b) (6)	Oncodesign Biotechnology	14-Jul-23	
L-279-2017/1	Borgel, Suzanne D.		Oncodesign Biotechnology	14-Jul-23	
L-279-2017/1	Dougherty, Kelly		Oncodesign Biotechnology	14-Jul-23	
L-279-2017/1	Hollingshead, Melinda G.		Oncodesign Biotechnology	14-Jul-23	
L-256-2018/0	Bonomi, Carrie A.		Genentech, Inc.	14-Jul-23	
L-256-2018/0	Dougherty, Kelly		Genentech, Inc.	14-Jul-23	
L-256-2018/0	Hollingshead, Melinda G.		Genentech, Inc.	14-Jul-23	
L-206-2020/0	Spiese, Paul J		Oncodesign Biotechnology	14-Jul-23	
L-206-2020/0	Yang, James Chung-Yin		Oncodesign Biotechnology	14-Jul-23	
L-220-2020/0	Bonomi, Carrie A.		Sonata Therapeutics, Inc	17-Jul-23	
L-220-2020/0	Borgel, Suzanne D.		Sonata Therapeutics, Inc	17-Jul-23	
L-220-2020/0	Dougherty, Kelly		Sonata Therapeutics, Inc	17-Jul-23	
L-220-2020/0	Hollingshead, Melinda G.		Sonata Therapeutics, Inc	17-Jul-23	
L-208-2022/0	NCI		Genentech, Inc.	17-Jul-23	
L-108-2015/0	NCI		Iovance Biotherapeutics Inc	18-Jul-23	
L-218-2020/0	Franchini, Genoveffa	(b) (4), (b) (6)	Charles River Laboratories, Inc.	18-Jul-23	

(b) (3) (A), (b) (4), (b) (6)

(b) (4), (b) (6)

L-218-2020/0	Kalyanaraman, Vaniambadi S.	Charles River Laboratories, Inc.	18-Jul-23
L-218-2020/0	Markham, Phillip D.	Charles River Laboratories, Inc.	18-Jul-23
L-218-2020/0	Salahuddin, Syed Z.	Charles River Laboratories, Inc.	18-Jul-23
L-188-2022/0	Fleming, Bryan	Cell Signaling Technology, Inc.	18-Jul-23
L-188-2022/0	Ho, Mitchell	Cell Signaling Technology, Inc.	18-Jul-23
L-188-2022/0	Li, Nan	Cell Signaling Technology, Inc.	18-Jul-23
L-202-2022/0	Fleming, Bryan	Bio X Cell, LLC	19-Jul-23
L-202-2022/0	Ho, Mitchell	Bio X Cell, LLC	19-Jul-23
L-202-2022/0	Li, Nan	Bio X Cell, LLC	19-Jul-23
L-203-2022/0	Feng, Mingqian	Bio X Cell, LLC	19-Jul-23
L-203-2022/0	Gao, Wei	Bio X Cell, LLC	19-Jul-23
L-203-2022/0	Ho, Mitchell	Bio X Cell, LLC	19-Jul-23
L-203-2022/0	Kim, Heungnam	Bio X Cell, LLC	19-Jul-23
L-204-2022/0	Gao, Wei	Bio X Cell, LLC	19-Jul-23
L-204-2022/0	Hassan, Raffit	Bio X Cell, LLC	19-Jul-23
L-204-2022/0	Ho, Mitchell	Bio X Cell, LLC	19-Jul-23
L-204-2022/0	Pastan, Ira H.	Bio X Cell, LLC	19-Jul-23
L-204-2022/0	Phung, Yen T.	Bio X Cell, LLC	19-Jul-23
L-204-2022/0	Zhang, Yifan	Bio X Cell, LLC	19-Jul-23
L-205-2022/0	Gao, Wei	Bio X Cell, LLC	19-Jul-23
L-205-2022/0	Ho, Mitchell	Bio X Cell, LLC	19-Jul-23
L-205-2022/0	Phung, Yen T.	Bio X Cell, LLC	19-Jul-23
L-205-2022/0	Zhang, Yifan	Bio X Cell, LLC	19-Jul-23
L-025-2022/0	Berzofsky, Jay A.	PDS Biotechnology Corporation	21-Jul-23
L-025-2022/0	Oh, SangKon	PDS Biotechnology Corporation	21-Jul-23
L-025-2022/0	Pastan, Ira H.	PDS Biotechnology Corporation	21-Jul-23
L-025-2022/0	Roberson, Brenda D.	PDS Biotechnology Corporation	21-Jul-23
L-025-2022/0	Terabe, Masaki	PDS Biotechnology Corporation	21-Jul-23
L-025-2022/0	Wood, Lauren V.	PDS Biotechnology Corporation	21-Jul-23
L-025-2022/0	NCI	PDS Biotechnology Corporation	21-Jul-23
L-061-2022/0	NCI	Sana Biotechnology, Inc.	21-Jul-23
L-088-2022/0	NCI	Mercy BioAnalytics, Inc.	21-Jul-23
L-150-2023/0	Diggs, Laurence P.	Pattern BioSciences Inc.	23-Jul-23
L-150-2023/0	Greten, Tim	Pattern BioSciences Inc.	23-Jul-23
L-150-2023/0	Heinrich, Bernd	Pattern BioSciences Inc.	23-Jul-23
L-150-2023/0	Ma, Chi	Pattern BioSciences Inc.	23-Jul-23
L-150-2023/0	Zhang, Qianfei	Pattern BioSciences Inc.	23-Jul-23
L-129-2021/1	Aaronson, Stuart A.	Crown Bioscience Inc.	24-Jul-23
L-129-2021/1	Bonomi, Carrie A.	Crown Bioscience Inc.	24-Jul-23
L-129-2021/1	Borgel, Suzanne D.	Crown Bioscience Inc.	24-Jul-23
L-129-2021/1	Buck, Christopher	Crown Bioscience Inc.	24-Jul-23
L-129-2021/1	Dougherty, Kelly	Crown Bioscience Inc.	24-Jul-23
L-129-2021/1	Hamilton, Thomas C.	Crown Bioscience Inc.	24-Jul-23
L-129-2021/1	Hollingshead, Melinda G.	Crown Bioscience Inc.	24-Jul-23
L-129-2021/1	Jainchill, John L.	Crown Bioscience Inc.	24-Jul-23
L-129-2021/1	Ozols, Robert F	Crown Bioscience Inc.	24-Jul-23
L-129-2021/1	Schiller, John T.	Crown Bioscience Inc.	24-Jul-23
L-129-2021/1	Todaro, George J.	Crown Bioscience Inc.	24-Jul-23

(b) (3) (A), (b) (4), (b) (6)

L-177-2019/0	Bonomi, Carrie A.	(b) (4), (b) (6)	Gilead Sciences, Inc	25-Jul-23
L-177-2019/0	Borgel, Suzanne D.		Gilead Sciences, Inc	25-Jul-23
L-177-2019/0	Dougherty, Kelly		Gilead Sciences, Inc	25-Jul-23
L-177-2019/0	Hollingshead, Melinda G.		Gilead Sciences, Inc	25-Jul-23
L-063-2011/0	Aaronson, Stuart A.		Eptiomcs Inc	28-Jul-23
L-063-2011/0	King, Charles R.		Eptiomcs Inc	28-Jul-23
L-063-2011/0	Kraus, (b) (6) Matthias		Eptiomcs Inc	28-Jul-23
L-064-2011/0	Barry, Todd		Eptiomics Inc	28-Jul-23
L-064-2011/0	Rosenwald, Andreas		Eptiomics Inc	28-Jul-23
L-064-2011/0	Staudt, Louis M.		Eptiomics Inc	28-Jul-23
L-064-2011/0	Wiestner, Adrian		Eptiomics Inc	28-Jul-23
L-064-2011/0	Wilson, Wyndham H.		Eptiomics Inc	28-Jul-23
L-347-2014/0	Muchmore, Brian P.		Abcam, plc	28-Jul-23
L-347-2014/0	O'Brien, Thomas R		Abcam, plc	28-Jul-23
L-347-2014/0	Porter-Gill, Patricia A.		Abcam, plc	28-Jul-23
L-347-2014/0	Prokunina-Olsson, Ludmila		Abcam, plc	28-Jul-23
Note: L-347-2014/0 split between FDA; NCI				
L-232-2019/0	Palena, Claudia		Abcam plc	28-Jul-23
L-232-2019/0	Schlom, Jeffrey		Abcam plc	28-Jul-23
L-093-2010/1	Chang, Nancy T.		BioLytical Labs	31-Jul-23
L-093-2010/1	Crowl, Robert		BioLytical Labs	31-Jul-23
L-093-2010/1	(b) (4)		BioLytical Labs	31-Jul-23
L-093-2010/1	Reddy, E. Premkumar.		BioLytical Labs	31-Jul-23

NIH Patent Licensing Activities
NCI
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(b) (3) (A), (b) (4), (b) (6)

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total August Income	License Cumulative Income	Inventor Awards August	Net Remaining to IC
L-224-2015/1	NCI		2seventy bio	1-Aug-23						
L-110-2023/0	Bonomi, Carrie A.	(b) (4), (b) (6)	Merck KGaA, Darmstadt, Germany	2-Aug-23						
L-110-2023/0	Borgel, Suzanne D.		Merck KGaA, Darmstadt, Germany	2-Aug-23						
L-110-2023/0	Dougherty, Kelly		Merck KGaA, Darmstadt, Germany	2-Aug-23						
L-110-2023/0	Hollingshead, Melinda G.		Merck KGaA, Darmstadt, Germany	2-Aug-23						
L-180-2023/0	Bonomi, Carrie A.		Georgiamune Inc.	2-Aug-23						
L-180-2023/0	Borgel, Suzanne D.		Georgiamune Inc.	2-Aug-23						
L-180-2023/0	Dougherty, Kelly		Georgiamune Inc.	2-Aug-23						
L-180-2023/0	Hollingshead, Melinda G.		Georgiamune Inc.	2-Aug-23						
L-192-2019/0	Bonomi, Carrie A.		Hookipa Biotech GmbH	4-Aug-23						
L-192-2019/0	Borgel, Suzanne D.		Hookipa Biotech GmbH	4-Aug-23						
L-192-2019/0	Dougherty, Kelly		Hookipa Biotech GmbH	4-Aug-23						
L-192-2019/0	Hollingshead, Melinda G.		Hookipa Biotech GmbH	4-Aug-23						
L-289-2023/0	Lam, Norris		Poseida Therapeutics	7-Aug-23						
L-248-2021/0	Eil, Robert Langland		Tailored Therapeutics, LLC	8-Aug-23						
L-248-2021/0	Gros, Alena		Tailored Therapeutics, LLC	8-Aug-23						

(b) (3) (A), (b) (4), (b) (6)

L-248-2021/0	Kishton, Rigel Joseph	(b) (4), (b) (6)	Tailored Therapeutics, LLC	8-Aug-23
L-248-2021/0	Restifo, Nicholas P.		Tailored Therapeutics, LLC	8-Aug-23
L-248-2021/0	Vodnala, Suman Kumar		Tailored Therapeutics, LLC	8-Aug-23
L-147-2008/0	Pastan, Ira H.		Duke University	9-Aug-23
L-135-2021/0	Bonomi, Carrie A.		Arcus Biosciences	9-Aug-23
L-135-2021/0	Dougherty, Kelly		Arcus Biosciences	9-Aug-23
L-135-2021/0	Hollingshead, Melinda G.		Arcus Biosciences	9-Aug-23
L-070-2022/0	Pastan, Ira H.		Duke University	9-Aug-23
L-071-2022/0	Pastan, Ira H.		Duke University	9-Aug-23
L-217-2022/0	NCI		Personal Genome Diagnostics Inc.	9-Aug-23
L-264-2017/0	Bonomi, Carrie A.	(b) (4), (b) (6)	AstraZeneca	17-Aug-23
L-264-2017/0	Borgel, Suzanne D.		AstraZeneca	17-Aug-23
L-264-2017/0	Dougherty, Kelly		AstraZeneca	17-Aug-23
L-264-2017/0	Hollingshead, Melinda G.		AstraZeneca	17-Aug-23
L-008-2019/0	Doroshow, James H.		AstraZeneca	17-Aug-23
L-008-2019/0	Kinders, Robert		AstraZeneca	17-Aug-23
L-008-2019/0	Marrero, Allison M.		AstraZeneca	17-Aug-23
L-008-2019/0	Parchment, Ralph E.		AstraZeneca	17-Aug-23
L-008-2019/0	Pfister, Thomas D.		AstraZeneca	17-Aug-23
L-001-2021/0	NCI		AstraZeneca Limited UK	17-Aug-23
L-049-2001/3	Bustin, Michael	(b) (4), (b) (6)	Millipore Sigma	18-Aug-23
L-133-2020/0	Gartner, Suzanne		LumiraDx	18-Aug-23
L-028-2018/1	NCI		Scanmed LLC	21-Aug-23
Note: L-028-2018/1 split between CC; CIT; NCI				
L-183-2018/0	Beyer, Rachel K. B.	(b) (4), (b) (6)	Merck Sharp & Dohme	21-Aug-23
L-183-2018/0	(b) (4)		Merck Sharp & Dohme	21-Aug-23
L-183-2018/0	Holderfield, Matthew T.		Merck Sharp & Dohme	21-Aug-23
L-183-2018/0	Soppet, Dan		Merck Sharp & Dohme	21-Aug-23
L-194-2021/0	Borgel, Suzanne D.		Novasenta Inc.	21-Aug-23
L-314-2023/0	Kim, Sanghyun		Affini-T Therapeutics, Inc.	21-Aug-23
L-314-2023/0	Lowery, Frank		Affini-T Therapeutics, Inc.	21-Aug-23
L-314-2023/0	Parkhurst, Maria		Affini-T Therapeutics, Inc.	21-Aug-23
L-314-2023/0	Zacharakis, Nikolaos		Affini-T Therapeutics, Inc.	21-Aug-23
L-314-2023/0	Kim, Sanghyun		Affini-T Therapeutics, Inc.	22-Aug-23
L-314-2023/0	Lowery, Frank		Affini-T Therapeutics, Inc.	22-Aug-23
L-314-2023/0	Parkhurst, Maria		Affini-T Therapeutics, Inc.	22-Aug-23
L-314-2023/0	Zacharakis, Nikolaos		Affini-T Therapeutics, Inc.	22-Aug-23
L-236-2017/0	Greene, Warner C.		Absolute Antibody Ltd.	23-Aug-23
L-236-2017/0	Leonard, Warren J.		Absolute Antibody Ltd.	23-Aug-23
L-236-2017/0	Nelson, David L.		Absolute Antibody Ltd.	23-Aug-23
L-236-2017/0	Rubin, Laurence A.		Absolute Antibody Ltd.	23-Aug-23
L-236-2017/0	Yarchoan, Robert		Absolute Antibody Ltd.	23-Aug-23
Note: L-236-2017/0 split between NCI; NINDS				

					(b) (3) (A), (b) (4), (b) (6)
L-167-2022/0	Borgel, Suzanne D.	(b) (4), (b) (6)	Omega Therapeutics, Inc.	23-Aug-23	
L-327-2023/0	Zhu, Zhongyu		Cavalry Biosciences, Inc.	23-Aug-23	
Note: L-327-2023/0 split between NCI; NICHD					
L-310-2019/1	Borgel, Suzanne D.		Regeneron Pharmaceuticals, Inc.	24-Aug-23	
L-010-2020/0	NCI		Genentech, Inc.	24-Aug-23	
L-264-2023/0	NCI		BioAssay Systems LLC	24-Aug-23	
L-138-2020/0	NCI		Zymeworks Inc.	25-Aug-23	
L-126-2023/0	Cowan, Kenneth H.	(b) (4), (b) (6)	Bayer AG	25-Aug-23	
L-314-2023/0	Kim, Sanghyun		Affini-T Therapeutics, Inc.	25-Aug-23	
L-314-2023/0	Lowery, Frank		Affini-T Therapeutics, Inc.	25-Aug-23	
L-314-2023/0	Parkhurst, Maria		Affini-T Therapeutics, Inc.	25-Aug-23	
L-314-2023/0	Zacharakis, Nikolaos		Affini-T Therapeutics, Inc.	25-Aug-23	
L-044-2022/1	Gottesman, Michael M.		Merck & Company, Merck Sharp & Dohme Cor	28-Aug-23	
L-044-2022/1	Pastan, Ira H.		Merck & Company, Merck Sharp & Dohme Cor	28-Aug-23	
L-044-2022/1	Ueda, Kazumitsu		Merck & Company, Merck Sharp & Dohme Cor	28-Aug-23	
L-314-2023/0	Kim, Sanghyun		Affini-T Therapeutics, Inc.	28-Aug-23	
L-314-2023/0	Lowery, Frank		Affini-T Therapeutics, Inc.	28-Aug-23	
L-314-2023/0	Parkhurst, Maria		Affini-T Therapeutics, Inc.	28-Aug-23	
L-314-2023/0	Zacharakis, Nikolaos		Affini-T Therapeutics, Inc.	28-Aug-23	
L-231-2015/1	NCI		Cartesian Therapeutics, Inc	29-Aug-23	
L-117-2019/0	Jelev, Dontcho	(b) (4), (b) (6)	Children's Hospital of Philadelphia	29-Aug-23	
L-117-2019/0	Zhu, Zhongyu		Children's Hospital of Philadelphia	29-Aug-23	
L-232-2021/0	NCI		August Bioservices, LLC	29-Aug-23	
L-314-2023/0	Kim, Sanghyun	(b) (4),	Affini-T Therapeutics, Inc.	29-Aug-23	
L-314-2023/0	Lowery, Frank	(b) (6)	Affini-T Therapeutics, Inc.	29-Aug-23	
L-314-2023/0	Parkhurst, Maria		Affini-T Therapeutics, Inc.	29-Aug-23	
L-314-2023/0	Zacharakis, Nikolaos		Affini-T Therapeutics, Inc.	29-Aug-23	
L-045-2008/2	Bonner, William M		Active Motif, Inc.	30-Aug-23	
L-045-2008/2	Rogakou, Efthimia P.		Active Motif, Inc.	30-Aug-23	
L-095-2012/0	Baskar, Sivasubramanian		BioLegend	30-Aug-23	
L-095-2012/0	Rader, Christoph		BioLegend	30-Aug-23	
L-314-2023/0	Kim, Sanghyun		Affini-T Therapeutics, Inc.	30-Aug-23	
L-314-2023/0	Lowery, Frank		Affini-T Therapeutics, Inc.	30-Aug-23	
L-314-2023/0	Parkhurst, Maria		Affini-T Therapeutics, Inc.	30-Aug-23	
L-314-2023/0	Zacharakis, Nikolaos		Affini-T Therapeutics, Inc.	30-Aug-23	
L-314-2023/0	NCI		Affini-T Therapeutics, Inc.	30-Aug-23	
L-093-2010/1	Chang, Nancy T.	(b) (4),	BioLytical Labs	31-Aug-23	
L-093-2010/1	Crowl, Robert	(b) (6)	BioLytical Labs	31-Aug-23	
L-093-2010/1	(b) (4)		BioLytical Labs	31-Aug-23	
L-093-2010/1	Reddy, E. Premkumar.		BioLytical Labs	31-Aug-23	

L-117-2019/0	Jelev, Dontcho	(b) (4), (b) (6)	Children's Hospital of Philadelphia	31-Aug-23	(b) (3) (A), (b) (4), (b) (6)
L-117-2019/0	Zhu, Zhongyu		Children's Hospital of Philadelphia	31-Aug-23	

NIH Patent Licensing Activities
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September 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total September Income	License Cumulative Income	Inventor Awards September	Net Remaining to IC
L-190-2023/0	Borgel, Suzanne D.	(b) (4), (b) (6)	Mission Therapeutics Ltd	4-Sep-23	(b) (3) (A), (b) (4), (b) (6)					
L-154-1997/2	Mason, Llewellyn H.		BD Biosciences - BD PharMingen	6-Sep-23						
L-154-1997/2	Ortaldo, John R.		BD Biosciences - BD PharMingen	6-Sep-23						
L-097-2000/3	Austin, Faye C.		BD Biosciences, PharMingen	6-Sep-23						
L-097-2000/3	Colcher, David		BD Biosciences, PharMingen	6-Sep-23						
L-097-2000/3	Hand, Patricia H.		BD Biosciences, PharMingen	6-Sep-23						
L-097-2000/3	Nuti, Marianna		BD Biosciences, PharMingen	6-Sep-23						
L-097-2000/3	Schlom, Jeffrey		BD Biosciences, PharMingen	6-Sep-23						
L-010-2009/2	Felber, Barbara K.		Taimed Biologics USA	6-Sep-23						
L-010-2009/2	Pavlakis, George N		Taimed Biologics USA	6-Sep-23						
L-326-2023/0	NCI		Astex Therapeutics Limited, Astex Therap	6-Sep-23						
L-304-2019/0	Cafri, Gal	(b) (4), (b) (6)	Intellia Therapeutics, Inc	7-Sep-23						
L-304-2019/0	Dudley, Mark		Intellia Therapeutics, Inc	7-Sep-23						
L-304-2019/0	Fitzgerald, Peter C.		Intellia Therapeutics, Inc	7-Sep-23						
L-304-2019/0	Gartner, Jared		Intellia Therapeutics, Inc	7-Sep-23						
L-304-2019/0	Gros, Alena		Intellia Therapeutics, Inc	7-Sep-23						
L-304-2019/0	Lu, Yong-Chen		Intellia Therapeutics, Inc	7-Sep-23						
L-304-2019/0	Robbins, Paul F.		Intellia Therapeutics, Inc	7-Sep-23						
L-304-2019/0	Tran, Eric		Intellia Therapeutics, Inc	7-Sep-23						
L-304-2019/0	Wunderlich, John		Intellia Therapeutics, Inc	7-Sep-23						
L-304-2019/0	Zheng, Zhili		Intellia Therapeutics, Inc	7-Sep-23						
L-304-2019/0	NCI		Intellia Therapeutics, Inc	7-Sep-23						
L-262-2017/1	Borgel, Suzanne D.	(b) (4), (b) (6)	HUTCHMED Limited	8-Sep-23						
L-287-2023/0	Gottesman, Michael M.		Daiichi Sankyo Co., Ltd.	8-Sep-23						
L-287-2023/0	Pastan, Ira H.		Daiichi Sankyo Co., Ltd.	8-Sep-23						
L-287-2023/0	Ueda, Kazumitsu		Daiichi Sankyo Co., Ltd.	8-Sep-23						
L-036-2022/0	Boyd, Michael R.		The Population Council, Inc	12-Sep-23						
L-036-2022/0	McMahon, James		The Population Council, Inc	12-Sep-23						
L-036-2022/0	Mori, Toshiyuki		The Population Council, Inc	12-Sep-23						
L-036-2022/0	O'Keefe, Barry		The Population Council, Inc	12-Sep-23						
L-137-2023/0	Aplan, Peter D.		Pfizer Inc.	12-Sep-23						
L-137-2023/0	Lin, Ying-Wei		Pfizer Inc.	12-Sep-23						
L-137-2023/0	Slape, Christopher I.		Pfizer Inc.	12-Sep-23						
L-137-2023/0	Zhang, ZhenHua		Pfizer Inc.	12-Sep-23						
L-203-1994/0	Aaronson, Stuart A.		BD Biosciences - BD PharMingen, Inc.	13-Sep-23						
L-203-1994/0	Jensen, Roy A.		BD Biosciences - BD PharMingen, Inc.	13-Sep-23						

					(b) (3) (A), (b) (4), (b) (6)
L-203-1994/0	LaRochelle, William	(b) (4), (b) (6)	BD Biosciences - BD PharMingen, Inc.	13-Sep-23	
L-203-1994/0	Matsui, Toshimitsu		BD Biosciences - BD PharMingen, Inc.	13-Sep-23	
L-203-1994/0	Pierce, Jacalyn H.		BD Biosciences - BD PharMingen, Inc.	13-Sep-23	
L-203-1994/0	Robbins, Keith		BD Biosciences - BD PharMingen, Inc.	13-Sep-23	
L-310-2019/1	Borgel, Suzanne D.		Regeneron Pharmaceuticals, Inc.	13-Sep-23	
L-222-2020/1	NCI		Senti Biosciences, Inc.	13-Sep-23	
L-097-2021/0	NCI		Senti Biosciences, Inc.	13-Sep-23	
L-180-2022/0	Hamilton, Thomas C.	(b) (4), (b) (6)	Roche Diagnositcs GmbH	14-Sep-23	
L-180-2022/0	Ozols, Robert F		Roche Diagnositcs GmbH	14-Sep-23	
L-064-2023/0	Bera, Tapan K		Evotec International GmbH	14-Sep-23	
L-064-2023/0	Ho, Mitchell		Evotec International GmbH	14-Sep-23	
L-064-2023/0	Liu, Xiu Fen		Evotec International GmbH	14-Sep-23	
L-064-2023/0	Onda, Masanori		Evotec International GmbH	14-Sep-23	
L-064-2023/0	Pastan, Ira H.		Evotec International GmbH	14-Sep-23	
L-064-2023/0	NCI		Evotec International GmbH	14-Sep-23	
L-039-2011/0	Onda, Masanori	(b) (4), (b) (6)	Rockland Immunochemicals, Inc.	15-Sep-23	
L-039-2011/0	Pastan, Ira H.		Rockland Immunochemicals, Inc.	15-Sep-23	
L-272-2016/1	Borgel, Suzanne D.		KeraFAST	15-Sep-23	
L-055-2022/0	Cafri, Gal		Neogene Therapeutics, Inc.	15-Sep-23	
L-055-2022/0	Deniger, Drew		Neogene Therapeutics, Inc.	15-Sep-23	
L-055-2022/0	Hanada, Kenichi		Neogene Therapeutics, Inc.	15-Sep-23	
L-055-2022/0	Kim, Sanghyun		Neogene Therapeutics, Inc.	15-Sep-23	
L-055-2022/0	Levin, Noam		Neogene Therapeutics, Inc.	15-Sep-23	
L-055-2022/0	Lo, Winifred Margaret		Neogene Therapeutics, Inc.	15-Sep-23	
L-055-2022/0	Lowery, Frank		Neogene Therapeutics, Inc.	15-Sep-23	
L-055-2022/0	Lu, Yong-Chen		Neogene Therapeutics, Inc.	15-Sep-23	
L-055-2022/0	Malekzadeh, Parisa		Neogene Therapeutics, Inc.	15-Sep-23	
L-055-2022/0	Paria, Biman		Neogene Therapeutics, Inc.	15-Sep-23	
L-055-2022/0	Parkhurst, Maria		Neogene Therapeutics, Inc.	15-Sep-23	
L-055-2022/0	Pasetto, Anna		Neogene Therapeutics, Inc.	15-Sep-23	
L-055-2022/0	Robbins, Paul F.		Neogene Therapeutics, Inc.	15-Sep-23	
L-055-2022/0	Tran, Eric		Neogene Therapeutics, Inc.	15-Sep-23	
L-055-2022/0	Wang, Qiong		Neogene Therapeutics, Inc.	15-Sep-23	
L-055-2022/0	Yang, James Chung-Yin		Neogene Therapeutics, Inc.	15-Sep-23	
L-055-2022/0	Yoseph, Rami		Neogene Therapeutics, Inc.	15-Sep-23	
L-055-2022/0	Yu, Zhiya		Neogene Therapeutics, Inc.	15-Sep-23	
L-055-2022/0	Zacharakis, Nikolaos		Neogene Therapeutics, Inc.	15-Sep-23	
L-055-2022/0	Zheng, Zhili		Neogene Therapeutics, Inc.	15-Sep-23	
L-055-2023/0	Bera, Tapan K		Eureka Therapeutics, Inc.	15-Sep-23	
L-055-2023/0	Ho, Mitchell		Eureka Therapeutics, Inc.	15-Sep-23	
L-055-2023/0	Onda, Masanori		Eureka Therapeutics, Inc.	15-Sep-23	
L-055-2023/0	Pastan, Ira H.		Eureka Therapeutics, Inc.	15-Sep-23	
L-055-2023/0	NCI		Eureka Therapeutics, Inc.	15-Sep-23	
L-085-2019/1	Aaronson, Stuart A.	(b) (4), (b) (6)	NEUVOGEN, Inc	18-Sep-23	
L-085-2019/1	(b) (6) Donald J. Giard		NEUVOGEN, Inc	18-Sep-23	
L-085-2019/1	Parks, Wade P.		NEUVOGEN, Inc	18-Sep-23	

(b) (3) (A), (b) (4), (b) (6)

L-132-2023/0	NCI		Theragen Bio Co. Ltd.	18-Sep-23
L-153-2018/0	Borgel, Suzanne D.	(b) (4), (b) (6)	Halozyme	19-Sep-23
L-107-2015/3	Altan-Bonnet, Gregoire		Iovance Biotherapeutics. Inc.	20-Sep-23
L-107-2015/3	Copeland, Amy		Iovance Biotherapeutics. Inc.	20-Sep-23
L-107-2015/3	Dudley, Mark		Iovance Biotherapeutics. Inc.	20-Sep-23
L-107-2015/3	Eil, Robert Langland		Iovance Biotherapeutics. Inc.	20-Sep-23
L-107-2015/3	Gros, Alena		Iovance Biotherapeutics. Inc.	20-Sep-23
L-107-2015/3	Hanada, Kenichi		Iovance Biotherapeutics. Inc.	20-Sep-23
L-107-2015/3	Hinrichs, Christian S.		Iovance Biotherapeutics. Inc.	20-Sep-23
L-107-2015/3	Jin, Benjamin Yongzu		Iovance Biotherapeutics. Inc.	20-Sep-23
L-107-2015/3	Kishton, Rigel Joseph		Iovance Biotherapeutics. Inc.	20-Sep-23
L-107-2015/3	Krishna, Sri		Iovance Biotherapeutics. Inc.	20-Sep-23
L-107-2015/3	Lowery, Frank		Iovance Biotherapeutics. Inc.	20-Sep-23
L-107-2015/3	Morgan, Richard A.		Iovance Biotherapeutics. Inc.	20-Sep-23
L-107-2015/3	Restifo, Nicholas P.		Iovance Biotherapeutics. Inc.	20-Sep-23
L-107-2015/3	Robbins, Paul F.		Iovance Biotherapeutics. Inc.	20-Sep-23
L-107-2015/3	Somerville, Robert P.		Iovance Biotherapeutics. Inc.	20-Sep-23
L-107-2015/3	Vodnala, Suman Kumar		Iovance Biotherapeutics. Inc.	20-Sep-23
L-107-2015/3	Wunderlich, John		Iovance Biotherapeutics. Inc.	20-Sep-23
L-107-2015/3	Yang, James Chung-Yin		Iovance Biotherapeutics. Inc.	20-Sep-23
L-107-2015/3	Yoseph, Rami		Iovance Biotherapeutics. Inc.	20-Sep-23
L-107-2015/3	Zhang, Ling		Iovance Biotherapeutics. Inc.	20-Sep-23
Note: L-107-2015/3 split between CC; NCI				
L-292-2023/0	Borgel, Suzanne D.		Combined Therapeutics, Inc	20-Sep-23
L-211-2017/0	Kahn, Richard A		Emory University	21-Sep-23
L-097-2021/0	Gao, Wei		Senti Biosciences, Inc.	21-Sep-23
L-097-2021/0	Ho, Mitchell		Senti Biosciences, Inc.	21-Sep-23
L-097-2021/0	Phung, Yen T.		Senti Biosciences, Inc.	21-Sep-23
L-097-2021/0	Zhang, Yifan		Senti Biosciences, Inc.	21-Sep-23
L-186-2021/0	Esposito, Dominic		Vector Y	21-Sep-23
L-186-2021/0	Hopkins, Ralph F.		Vector Y	21-Sep-23
L-205-2023/0	Cardarelli, Carol O		Arvinas Operations, Inc.	21-Sep-23
L-205-2023/0	Gottesman, Michael M.		Arvinas Operations, Inc.	21-Sep-23
L-205-2023/0	Pastan, Ira H.		Arvinas Operations, Inc.	21-Sep-23
L-205-2023/0	Shen, Ding-Wu		Arvinas Operations, Inc.	21-Sep-23
L-330-2023/0	Beyer, Rachel K. B.		Quanta Therapeutics, Inc.	21-Sep-23
L-330-2023/0	Holderfield, Matthew T.		Quanta Therapeutics, Inc.	21-Sep-23
L-330-2023/0	Soppet, Dan		Quanta Therapeutics, Inc.	21-Sep-23
L-224-2015/1	NCI		2seventy bio	22-Sep-23
L-329-2017/1	Gao, Wei	(b) (4), (b) (6)	Abpro	22-Sep-23
L-329-2017/1	Ho, Mitchell		Abpro	22-Sep-23
L-329-2017/1	Phung, Yen T.		Abpro	22-Sep-23
L-329-2017/1	Zhang, Yifan		Abpro	22-Sep-23
L-329-2017/1	NCI		Abpro	22-Sep-23
L-317-2017/0	NCI		Lentigen Technology Inc	26-Sep-23
L-331-2017/1	NCI		Istari Oncology Inc	27-Sep-23

		(b) (4), (b) (6)			(b) (3) (A), (b) (4), (b) (6)			
L-052-2018/2	Gros, Alena		MedGene Therapeutics, Inc.	27-Sep-23				
L-052-2018/2	NCI		MedGene Therapeutics, Inc.	27-Sep-23				
L-292-2023/0	Borgel, Suzanne D.	(b) (4), (b) (6)	Combined Therapeutics, Inc	27-Sep-23				
L-063-2021/0	NCI		Janssen Research & Development, LLC	28-Sep-23				
L-151-2023/0	NCI		FoRx Therapeutics	28-Sep-23				
L-383-2023/0	Borgel, Suzanne D.	(b) (4), (b) (6)	DEM Biopharma	28-Sep-23				
L-055-2022/0	NCI		Neogene Therapeutics, Inc.	29-Sep-23				
L-096-2022/0	Mackall, Crystal L	(b) (4), (b) (6)	Syncopation Life Sciences, Inc.	29-Sep-23				
L-096-2022/0	Orentas, Rimas J.		Syncopation Life Sciences, Inc.	29-Sep-23				
L-096-2022/0	Pastan, Ira H.		Syncopation Life Sciences, Inc.	29-Sep-23				
L-096-2022/0	Shah, Nirali		Syncopation Life Sciences, Inc.	29-Sep-23				
L-096-2022/0	Xiao, Xiaodong		Syncopation Life Sciences, Inc.	29-Sep-23				
L-199-2022/0	NCI		Bristol-Myers Squibb Company	29-Sep-23				
L-139-2023/0	Fry, Terry	(b) (4), (b) (6)	CARGO Therapeutics, Inc.	29-Sep-23				
L-139-2023/0	Mackall, Crystal L		CARGO Therapeutics, Inc.	29-Sep-23				
L-139-2023/0	Orentas, Rimas J.		CARGO Therapeutics, Inc.	29-Sep-23				
L-139-2023/0	Pastan, Ira H.		CARGO Therapeutics, Inc.	29-Sep-23				
L-139-2023/0	Qin, Haiying		CARGO Therapeutics, Inc.	29-Sep-23				
L-139-2023/0	Xiao, Xiaodong		CARGO Therapeutics, Inc.	29-Sep-23				
L-139-2023/0	Fry, Terry		CARGO Therapeutics, Inc.	29-Sep-23				
L-139-2023/0	Mackall, Crystal L		CARGO Therapeutics, Inc.	29-Sep-23				
L-139-2023/0	Orentas, Rimas J.		CARGO Therapeutics, Inc.	29-Sep-23				
L-139-2023/0	Pastan, Ira H.		CARGO Therapeutics, Inc.	29-Sep-23				
L-139-2023/0	Qin, Haiying		CARGO Therapeutics, Inc.	29-Sep-23				
L-139-2023/0	Xiao, Xiaodong		CARGO Therapeutics, Inc.	29-Sep-23				
L-139-2023/0	NCI		CARGO Therapeutics, Inc.	29-Sep-23				
L-293-2023/0	NCI		ADC Therapeutics (UK) Ltd	30-Sep-23				
L-315-2023/0	Buck, Christopher	(b) (4), (b) (6)	Vismederi Life Sciences Sri	30-Sep-23				
L-315-2023/0	(b) (4)		Vismederi Life Sciences Sri	30-Sep-23				
L-315-2023/0	Lowy, Douglas R.		Vismederi Life Sciences Sri	30-Sep-23				
L-315-2023/0	Pastrana, Diana V		Vismederi Life Sciences Sri	30-Sep-23				
L-315-2023/0	Roden, Richard B.		Vismederi Life Sciences Sri	30-Sep-23				
L-315-2023/0	Schiller, John T.		Vismederi Life Sciences Sri	30-Sep-23				
L-359-2023/0	Borgel, Suzanne D.		Dewpoint Therapeutics	30-Sep-23				
					$14,136,645.80	$1,110,465.87	$15,247,111.67	$2,063,445.32	$13,183,666.35

NIH Patent Licensing Activities
NEI
April 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total April Income	License Cumulative Income	Inventor Awards April	Net Remaining to IC

NIH Patent Licensing Activities
NEI
May 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total May Income	License Cumulative Income	Inventor Awards May	Net Remaining to IC
L-020-2021/0	Amaral, Juan A.	(b) (4), (b) (6)	Opsis Therapeutics, LLC	1-May-23						(b) (3) (A), (b) (4), (b) (6)
L-020-2021/0	Bharti, Kapil		Opsis Therapeutics, LLC	1-May-23						
L-020-2021/0	Charles, Steven Thomas		Opsis Therapeutics, LLC	1-May-23						
L-020-2021/0	Hotaling, Nathan		Opsis Therapeutics, LLC	1-May-23						
L-020-2021/0	Khristov, Vladimir R.		Opsis Therapeutics, LLC	1-May-23						
L-020-2021/0	Maminishkis, Arvydas		Opsis Therapeutics, LLC	1-May-23						
L-020-2021/0	NIST		Opsis Therapeutics, LLC	1-May-23						
L-088-2021/0	NEI		Connectyx Technologies Holdings Group	14-May-23						
L-088-2021/0	Bharti, Kapil	(b) (4), (b) (6)	Connectyx Technologies Holdings Group	15-May-23						
L-088-2021/0	Clore-Gronenborn, Katharina		Connectyx Technologies Holdings Group	15-May-23						
L-088-2021/0	Miyagishima, Kiyoharu		Connectyx Technologies Holdings Group	15-May-23						
L-133-2021/1	Davis, (b) (6) Janine A		AbbVie, Inc.	16-May-23						
Note: L-133-2021/1 split between NEI; NINDS										
L-127-2023/0	Bharti, Kapil		STEMCELL Technologies Canada, Inc	30-May-23						
L-127-2023/0	Nguyen, Eric H.		STEMCELL Technologies Canada, Inc	30-May-23						
L-127-2023/0	Park, Tea Soon		STEMCELL Technologies Canada, Inc	30-May-23						
L-127-2023/0	Quinn, Russell L.		STEMCELL Technologies Canada, Inc	30-May-23						
L-127-2023/0	Song, Min Jae		STEMCELL Technologies Canada, Inc	30-May-23						
Note: L-127-2023/0 split between NCATS; NEI										
L-127-2023/0	NEI		STEMCELL Technologies Canada, Inc	30-May-23						
Note: L-127-2023/0 split between NCATS; NEI										

NIH Patent Licensing Activities
NEI
June 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total June Income	License Cumulative Income	Inventor Awards June	Net Remaining to IC
L-020-2021/0	NEI		Opsis Therapeutics, LLC	12-Jun-23						(b) (3) (A), (b) (4), (b) (6)

NIH Patent Licensing Activities
NEI

July 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total July Income	License Cumulative Income	Inventor Awards July	Net Remaining to IC
L-020-2021/0	NEI		Opsis Therapeutics, LLC	17-Jul-23	(b) (3) (A), (b) (4), (b) (6)					

NIH Patent Licensing Activities
NEI
August 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total August Income	License Cumulative Income	Inventor Awards August	Net Remaining to IC
L-230-2002/1	NEI		Bausch & Lomb	29-Aug-23	(b) (3) (A), (b) (4), (b) (6)					

NIH Patent Licensing Activities
NEI
September 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total September Income	License Cumulative Income	Inventor Awards September	Net Remaining to IC
					$4,792,019.67	$104,046.62	$4,896,066.29		$135,093.75	$4,760,972.54

NIH Patent Licensing Activities
NHGRI
April 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total April Income	License Cumulative Income	Inventor Awards April	Net Remaining to IC

NIH Patent Licensing Activities
NHGRI
May 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total May Income	License Cumulative Income	Inventor Awards May	Net Remaining to IC
L-216-2017/0	Chandler, Randy J.	(b) (4), (b) (6)	Select a Biosciences, Inc.	24-May-23					(b) (3) (A), (b) (4), (b) (6)	
L-216-2017/0	Venditti, Charles P.		Select a Biosciences, Inc.	24-May-23						
L-084-2021/0	Chandler, Randy J.		Selecta Biosciences, Inc.	24-May-23						
L-084-2021/0	Manoli, Eirini		Selecta Biosciences, Inc.	24-May-23						
L-084-2021/0	Venditti, Charles P.		Selecta Biosciences, Inc.	24-May-23						
L-196-2021/0	Manoli, Eirini		Selecta Biosciences Inc.	24-May-23						
L-196-2021/0	Venditti, Charles P.		Selecta Biosciences Inc.	24-May-23						
L-197-2021/0	Manoli, Eirini		Selecta Biosciences Inc.	24-May-23						
L-197-2021/0	Venditti, Charles P.		Selecta Biosciences Inc.	24-May-23						
L-045-2021/1	Chandler, Randy J.		Novartis Gene Therapies, Inc	30-May-23						
L-045-2021/1	Pavan, William J.		Novartis Gene Therapies, Inc	30-May-23						
L-045-2021/1	Venditti, Charles P.		Novartis Gene Therapies, Inc	30-May-23						

NIH Patent Licensing Activities
NHGRI
June 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total June Income	License Cumulative Income	Inventor Awards June	Net Remaining to IC
L-179-2023/0	Ferreira Lopez, Carlos Raul	(b) (4), (b) (6)	General Hospital Corporation	26-Jun-23					(b) (3) (A), (b) (4), (b) (6)	
L-179-2023/0	Gahl, WIlliam A.		General Hospital Corporation	26-Jun-23						

NIH Patent Licensing Activities
NHGRI
July 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total July Income	License Cumulative Income	Inventor Awards July	Net Remaining to IC

NIH Patent Licensing Activities
NHGRI
August 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total August Income	License Cumulative Income	Inventor Awards August	Net Remaining to IC
L-055-2015/1	Goldin, Ehud M.	(b) (4), (b) (6)	Bial-BioTech Investments, Inc.	1-Aug-23					(b) (3) (A), (b) (4), (b) (6)	
L-055-2015/1	Motabar, Omid		Bial-BioTech Investments, Inc.	1-Aug-23						
L-055-2015/1	Sidransky, Ellen		Bial-BioTech Investments, Inc.	1-Aug-23						
L-055-2015/1	Westbroek, Wendy		Bial-BioTech Investments, Inc.	1-Aug-23						

Note: L-055-2015/1 split between NCATS; NHGRI

NIH Patent Licensing Activities
NHGRI
September 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total September Income	License Cumulative Income	Inventor Awards September	Net Remaining to IC
L-069-2019/0	NHGRI		LogicBio Therapeutics, Inc.	20-Sep-23					(b) (3) (A), (b) (4), (b) (6)	
L-302-2023/0	Chandler, Randy J.	(b) (4), (b) (6)	LogicBio Therapeutics	20-Sep-23						
L-302-2023/0	Manoli, Eirini		LogicBio Therapeutics	20-Sep-23						
L-302-2023/0	Venditti, Charles P.		LogicBio Therapeutics	20-Sep-23						
					$197,953.00	$897.27	$198,850.27		$49,104.45	$149,745.82

NIH Patent Licensing Activities
NHLBI
April 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total April Income	License Cumulative Income	Inventor Awards April	Net Remaining to IC
L-199-2016/0	Amar, Marcelo A.	(b) (4),	STC.UNM	4-Apr-23						(b) (3) (A), (b) (4), (b) (6)
L-199-2016/0	Remaley, Alan T.	(b) (6)	STC.UNM	4-Apr-23						
Note: L-199-2016/0 split between NCI; NHLBI										
L-243-2016/0	NHLBI		StemCell Technologies Inc.	27-Apr-23						
Note: L-243-2016/0 split between NHLBI; NIAMS										
L-214-2018/0	NHLBI		Yokogawa Electric Corporation	28-Apr-23						
Note: L-214-2018/0 split between NHLBI; NIBIB										

NIH Patent Licensing Activities
NHLBI
May 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total May Income	License Cumulative Income	Inventor Awards May	Net Remaining to IC
L-124-2017/1	(b) (4)	(b) (4),	Generation Bio Co	23-May-23						(b) (3) (A), (b) (4), (b) (6)
L-124-2017/1	Kotin, Robert M.	(b) (6)	Generation Bio Co	23-May-23						
L-124-2017/1	Li, Lina		Generation Bio Co	23-May-23						
L-011-2013/1	Remaley, Alan T.		UNT Health Science Center	24-May-23						

NIH Patent Licensing Activities
NHLBI
June 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total June Income	License Cumulative Income	Inventor Awards June	Net Remaining to IC
L-258-2018/0	Derbyshire, John Andrew	(b) (4),	Siemens Healthcare GmbH	12-Jun-23						(b) (3) (A), (b) (4), (b) (6)
L-258-2018/0	(b) (4)	(b) (6)	Siemens Healthcare GmbH	12-Jun-23						
L-258-2018/0	McVeigh, Elliott R		Siemens Healthcare GmbH	12-Jun-23						
L-258-2018/0	Nezafat, Reza		Siemens Healthcare GmbH	12-Jun-23						
L-209-2017/0	NHLBI		General Electric Co.	14-Jun-23						
L-236-2023/0	Tisdale, John	(b) (4),	Caring Cross, Inc.	29-Jun-23						
L-236-2023/0	Uchida, Naoya	(b) (6)	Caring Cross, Inc.	29-Jun-23						
L-236-2023/0	NHLBI		Caring Cross, Inc.	29-Jun-23						

NIH Patent Licensing Activities
NHLBI
July 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total July Income	License Cumulative Income	Inventor Awards July	Net Remaining to IC
L-159-2007/2	NHLBI		Hope Pharmaceuticals	21-Jul-23						(b) (3) (A), (b) (4), (b) (6)

Note: L-159-2007/2 split between CC; NHLBI; NIDDK; NINDS

NIH Patent Licensing Activities
NHLBI
August 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total August Income	License Cumulative Income	Inventor Awards August	Net Remaining to IC
L-209-2017/0	Derbyshire, John Andrew	(b) (4),	General Electric Co.	9-Aug-23						(b) (3) (A), (b) (4), (b) (6)
L-209-2017/0	(b) (4)	(b) (6)	General Electric Co.	9-Aug-23						
L-209-2017/0	McVeigh, Elliott R		General Electric Co.	9-Aug-23						
L-209-2017/0	Nezafat, Reza		General Electric Co.	9-Aug-23						
L-120-1997/2	Lee, Seung-Rock		Millipore Sigma	18-Aug-23						
L-120-1997/2	Rhee, Sue Goo		Millipore Sigma	18-Aug-23						

NIH Patent Licensing Activities
NHLBI
September 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total September Income	License Cumulative Income	Inventor Awards September	Net Remaining to IC
L-029-2012/0	Derbyshire, John Andrew	(b) (4),	Koninklijke Philips Electronics NV	1-Sep-23						(b) (3) (A), (b) (4), (b) (6)
L-029-2012/0	(b) (4)	(b) (6)	Koninklijke Philips Electronics NV	1-Sep-23						
L-029-2012/0	McVeigh, Elliott R		Koninklijke Philips Electronics NV	1-Sep-23						
L-029-2012/0	Nezafat, Reza		Koninklijke Philips Electronics NV	1-Sep-23						
					$256,664.78	$120,342.20	$377,006.98		$152,519.22	$224,487.76

NIH Patent Licensing Activities
NIA
April 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total April Income	License Cumulative Income	Inventor Awards April	Net Remaining to IC
L-025-2017/1	NIA		Tocris Bioscience	4-Apr-23						(b) (3) (A), (b) (4)

Note: L-025-2017/1 split between NCATS; NIA; NIMH

NIH Patent Licensing Activities
NIA
May 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total May Income	License Cumulative Income	Inventor Awards May	Net Remaining to IC

NIH Patent Licensing Activities
NIA
June 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total June Income	License Cumulative Income	Inventor Awards June	Net Remaining to IC
L-073-2021/0	Goetzl, Edward	(b) (4), (b) (6)	AevisBio, Inc	29-Jun-23						(b) (3) (A), (b) (4), (b) (6)
L-073-2021/0	Greig, Nigel H		AevisBio, Inc	29-Jun-23						
L-073-2021/0	Holloway, Harold		AevisBio, Inc	29-Jun-23						
L-073-2021/0	Luo, Weiming		AevisBio, Inc	29-Jun-23						
L-073-2021/0	Tweedie, David		AevisBio, Inc	29-Jun-23						
L-073-2021/0	(b) (4)		AevisBio, Inc	29-Jun-23						
L-073-2021/0	Yu, Qian-sheng		AevisBio, Inc	29-Jun-23						

Note: L-073-2021/0 split between NCI; NIA

NIH Patent Licensing Activities
NIA
July 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total July Income	License Cumulative Income	Inventor Awards July	Net Remaining to IC
L-102-2013/1	Hodes, Richard J	(b) (4),	EXBIO Praha	3-Jul-23						(b) (3) (A), (b) (4), (b) (6)

Note: L-102-2013/1 split between NCI; NIA

NIH Patent Licensing Activities

NIA
August 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total August Income	License Cumulative Income	Inventor Awards August	Net Remaining to IC
L-122-2018/1	NIA		Peptron	25-Aug-23						(b) (3) (A), (b) (4), (b) (6)

NIH Patent Licensing Activities
NIA
September 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total September Income	License Cumulative Income	Inventor Awards September	Net Remaining to IC
L-025-2017/1	NIA		Tocris Bioscience	19-Sep-23						(b) (3) (A), (b) (4), (b) (6)
Note: L-025-2017/1 split between NCATS; NIA; NIMH										
					$2,895.35	$22,483.34	$25,378.69		$2,685.51	$22,693.18

NIH Patent Licensing Activities
NIAAA
April 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total April Income	License Cumulative Income	Inventor Awards April	Net Remaining to IC
L-162-2016/3	Cinar, Resat	(b) (4), (b) (6)	Inversago Pharma Inc.	18-Apr-23						(b) (3) (A), (b) (4), (b) (6)
L-162-2016/3	Iyer, Malliga R.		Inversago Pharma Inc.	18-Apr-23						
L-162-2016/3	Kunos, George I		Inversago Pharma Inc.	18-Apr-23						

Note: L-162-2016/3 split between NIAAA; NIDA

NIH Patent Licensing Activities
NIAAA
May 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total May Income	License Cumulative Income	Inventor Awards May	Net Remaining to IC

NIH Patent Licensing Activities
NIAAA
June 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total June Income	License Cumulative Income	Inventor Awards June	Net Remaining to IC

NIH Patent Licensing Activities
NIAAA
July 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total July Income	License Cumulative Income	Inventor Awards July	Net Remaining to IC
L-162-2016/3	NIAAA		Inversago Pharma Inc.	10-Jul-23						(b) (3) (A), (b) (4), (b) (6)
Note: L-162-2016/3 split between NIAAA; NIDA										
L-162-2016/3	Cinar, Resat	(b) (4), (b) (6)	Inversago Pharma Inc.	10-Jul-23						
L-162-2016/3	Iyer, Malliga R.		Inversago Pharma Inc.	10-Jul-23						
L-162-2016/3	Kunos, George I		Inversago Pharma Inc.	10-Jul-23						
Note: L-162-2016/3 split between NIAAA; NIDA										
L-257-2019/0	NIAAA		Inversago Pharma Inc	10-Jul-23						
Note: L-257-2019/0 split between NIAAA; NIDA										
L-257-2019/0	Cinar, Resat	(b) (4), (b) (6)	Inversago Pharma Inc	10-Jul-23						

L-257-2019/0	Iyer, Malliga R.	(b) (4),	Inversago Pharma Inc	10-Jul-23	(b) (3) (A), (b) (4), (b) (6)
L-257-2019/0	Kunos, George I	(b) (6)	Inversago Pharma Inc	10-Jul-23	

Note: L-257-2019/0 split between NIAAA; NIDA

NIH Patent Licensing Activities
NIAAA
August 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total August Income	License Cumulative Income	Inventor Awards August	Net Remaining to IC

NIH Patent Licensing Activities
NIAAA
September 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total September Income	License Cumulative Income	Inventor Awards September	Net Remaining to IC

(b) (3) (A), (b) (4)

NIH Patent Licensing Activities
NIAID
April 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total April Income	License Cumulative Income	Inventor Awards April	Net Remaining to IC
L-074-1991/3	Harriman, Gregory R.	(b) (4),	Becton, Dickson and Company	4-Apr-23					(b) (3) (A),	(b) (4), (b) (6)
L-074-1991/3	Kunimoto, Dennis Y.	(b) (6)	Becton, Dickson and Company	4-Apr-23						
L-074-1991/3	Paul, (b) (6) William E.		Becton, Dickson and Company	4-Apr-23						
L-074-1991/3	Strober, Warren		Becton, Dickson and Company	4-Apr-23						
L-079-1993/2	Ohara, Junichi		BD Biosciences - BD PharMingen	4-Apr-23						
L-079-1993/2	Paul, (b) (6) William E.		BD Biosciences - BD PharMingen	4-Apr-23						
L-078-2011/0	Mackett, Michael		CEVA Biomune	4-Apr-23						
L-078-2011/0	Moss, Bernard		CEVA Biomune	4-Apr-23						
L-078-2011/0	Smith, Geoffrey L.		CEVA Biomune	4-Apr-23						
L-144-2014/1	Baxa, Ulrich		GlaxoSmithKline Biologicals SA	4-Apr-23						
L-144-2014/1	Boyington, Jeffrey C.		GlaxoSmithKline Biologicals SA	4-Apr-23						
L-144-2014/1	Chen, Lei		GlaxoSmithKline Biologicals SA	4-Apr-23						
L-144-2014/1	Chen, Man		GlaxoSmithKline Biologicals SA	4-Apr-23						
L-144-2014/1	Chuang, Gwo-Yu		GlaxoSmithKline Biologicals SA	4-Apr-23						
L-144-2014/1	Druz, Aliaksandr A.		GlaxoSmithKline Biologicals SA	4-Apr-23						
L-144-2014/1	Georgiev, Ivelin S.		GlaxoSmithKline Biologicals SA	4-Apr-23						
L-144-2014/1	Gorman, Jason		GlaxoSmithKline Biologicals SA	4-Apr-23						
L-144-2014/1	Kwong, Peter D.		GlaxoSmithKline Biologicals SA	4-Apr-23						
L-144-2014/1	McLellan, Jason Scott		GlaxoSmithKline Biologicals SA	4-Apr-23						
L-144-2014/1	OFEK, GILAD A		GlaxoSmithKline Biologicals SA	4-Apr-23						
L-144-2014/1	Ou, Li		GlaxoSmithKline Biologicals SA	4-Apr-23						
L-144-2014/1	Pancera, Marie L.		GlaxoSmithKline Biologicals SA	4-Apr-23						
L-144-2014/1	Rundlet, Emily J.		GlaxoSmithKline Biologicals SA	4-Apr-23						
L-144-2014/1	Sastry, Mallika		GlaxoSmithKline Biologicals SA	4-Apr-23						
L-144-2014/1	Soto, Cinque		GlaxoSmithKline Biologicals SA	4-Apr-23						
L-144-2014/1	Srivatsan, Sanjay R.		GlaxoSmithKline Biologicals SA	4-Apr-23						
L-144-2014/1	Stewart-Jones, Guillaume B. E.		GlaxoSmithKline Biologicals SA	4-Apr-23						
L-144-2014/1	Thomas, Paul V.		GlaxoSmithKline Biologicals SA	4-Apr-23						
L-144-2014/1	Tsybovsky, Yaroslav		GlaxoSmithKline Biologicals SA	4-Apr-23						
L-144-2014/1	Van Galen, Joseph		GlaxoSmithKline Biologicals SA	4-Apr-23						
L-144-2014/1	YANG, YONGPING		GlaxoSmithKline Biologicals SA	4-Apr-23						
L-144-2014/1	Zhang, Baoshan		GlaxoSmithKline Biologicals SA	4-Apr-23						
L-144-2014/1	Zhou, Tongqing		GlaxoSmithKline Biologicals SA	4-Apr-23						
L-053-2022/0	Akin, Cem		Aptuit (Verona) Srl	5-Apr-23						
L-053-2022/0	Kirshenbaum, Arnold		Aptuit (Verona) Srl	5-Apr-23						
L-053-2022/0	Metcalfe, Dean D		Aptuit (Verona) Srl	5-Apr-23						
L-041-2023/0	Neva, Franklin		InBios International, Inc	5-Apr-23						
L-041-2023/0	Nutman, Thomas B.		InBios International, Inc	5-Apr-23						
L-041-2023/0	Varatharajalu, Ravi		InBios International, Inc	5-Apr-23						
L-041-2023/0	Neva, Franklin		InBios International, Inc	5-Apr-23						
L-041-2023/0	Nutman, Thomas B.		InBios International, Inc	5-Apr-23						
L-041-2023/0	Varatharajalu, Ravi		InBios International, Inc	5-Apr-23						
L-041-2023/0	Neva, Franklin		InBios International, Inc	5-Apr-23						

L-041-2023/0	Nutman, Thomas B.	(b) (4), (b) (6)	InBios International, Inc	5-Apr-23
L-041-2023/0	Varatharajalu, Ravi		InBios International, Inc	5-Apr-23
L-140-1998/1	Beeler, Judy A.		SmithKline Beecham	11-Apr-23
L-140-1998/1	Chanock, (b) (6) Robert		SmithKline Beecham	11-Apr-23
L-140-1998/1	Coelingh, Kathleen L.		SmithKline Beecham	11-Apr-23
L-140-1998/1	Collins, Peter L.		SmithKline Beecham	11-Apr-23
L-140-1998/1	Murphy, Brian R.		SmithKline Beecham	11-Apr-23
L-140-1998/1	Beeler, Judy A.		SmithKline Beecham	11-Apr-23
L-140-1998/1	Chanock, (b) (6) Robert		SmithKline Beecham	11-Apr-23
L-140-1998/1	Coelingh, Kathleen L.		SmithKline Beecham	11-Apr-23
L-140-1998/1	Collins, Peter L.		SmithKline Beecham	11-Apr-23
L-140-1998/1	Murphy, Brian R.		SmithKline Beecham	11-Apr-23
L-093-2023/0	Bu, Wei		Merck Sharp & Dohme LLC	14-Apr-23
L-093-2023/0	Cohen, Jeffrey I.		Merck Sharp & Dohme LLC	14-Apr-23
L-093-2023/0	Nabel, Gary J.		Merck Sharp & Dohme LLC	14-Apr-23
L-023-2022/0	(b) (4)		Thermo Fisher Scientific	19-Apr-23
L-023-2022/0			Thermo Fisher Scientific	19-Apr-23
L-023-2022/0			Thermo Fisher Scientific	19-Apr-23
L-149-2015/1	NIAID		Serum Institute of India Ltd.	20-Apr-23
Note: L-149-2015/1 split between FDA; NIAID				
L-124-2018/0	Garboczi, David	(b) (4), (b) (6)	Abcam plc	27-Apr-23
L-124-2018/0	Lantz, Larry		Abcam plc	27-Apr-23
L-124-2018/0	Leppla, Stephen H.		Abcam plc	27-Apr-23
L-124-2018/0	Leysath, Clinton E.		Abcam plc	27-Apr-23
L-124-2018/0	Phillips, Damilola D.		Abcam plc	27-Apr-23
L-122-2023/0	Baxa, Ulrich		Medigen Vaccine Biologics Corp	27-Apr-23
L-122-2023/0	Boyington, Jeffrey C.		Medigen Vaccine Biologics Corp	27-Apr-23
L-122-2023/0	Carey, Elizabeth		Medigen Vaccine Biologics Corp	27-Apr-23
L-122-2023/0	Chen, Lei		Medigen Vaccine Biologics Corp	27-Apr-23
L-122-2023/0	Chen, Man		Medigen Vaccine Biologics Corp	27-Apr-23
L-122-2023/0	Chen, Mingzong		Medigen Vaccine Biologics Corp	27-Apr-23
L-122-2023/0	Chen, Peifeng		Medigen Vaccine Biologics Corp	27-Apr-23
L-122-2023/0	Chuang, Gwo-Yu		Medigen Vaccine Biologics Corp	27-Apr-23
L-122-2023/0	Druz, Aliaksandr A.		Medigen Vaccine Biologics Corp	27-Apr-23
L-122-2023/0	Georgiev, Ivelin S.		Medigen Vaccine Biologics Corp	27-Apr-23
L-122-2023/0	Ghosh, Mridul K.		Medigen Vaccine Biologics Corp	27-Apr-23
L-122-2023/0	Gorman, Jason		Medigen Vaccine Biologics Corp	27-Apr-23
L-122-2023/0	Horwitz, Joseph		Medigen Vaccine Biologics Corp	27-Apr-23
L-122-2023/0	Kwong, Peter D.		Medigen Vaccine Biologics Corp	27-Apr-23
L-122-2023/0	McLellan, Jason Scott		Medigen Vaccine Biologics Corp	27-Apr-23
L-122-2023/0	Nagy, Attila		Medigen Vaccine Biologics Corp	27-Apr-23
L-122-2023/0	OFEK, GILAD A		Medigen Vaccine Biologics Corp	27-Apr-23
L-122-2023/0	Ou, Li		Medigen Vaccine Biologics Corp	27-Apr-23
L-122-2023/0	Pancera, Marie L.		Medigen Vaccine Biologics Corp	27-Apr-23
L-122-2023/0	Rundlet, Emily J.		Medigen Vaccine Biologics Corp	27-Apr-23
L-122-2023/0	Sastry, Mallika		Medigen Vaccine Biologics Corp	27-Apr-23
L-122-2023/0	Soto, Cinque		Medigen Vaccine Biologics Corp	27-Apr-23
L-122-2023/0	Srivatsan, Sanjay R.		Medigen Vaccine Biologics Corp	27-Apr-23
L-122-2023/0	Stewart-Jones, Guillaume B. E.		Medigen Vaccine Biologics Corp	27-Apr-23
L-122-2023/0	Thomas, Paul V.		Medigen Vaccine Biologics Corp	27-Apr-23

(b) (3) (A), (b) (4), (b) (6)

L-122-2023/0	Tsybovsky, Yaroslav	(b) (4),	Medigen Vaccine Biologics Corp	27-Apr-23	(b) (3) (A), (b) (4), (b) (6)
L-122-2023/0	Van Galen, Joseph	(b) (6)	Medigen Vaccine Biologics Corp	27-Apr-23	
L-122-2023/0	Yang, Yong		Medigen Vaccine Biologics Corp	27-Apr-23	
L-122-2023/0	Zhang, Baoshan		Medigen Vaccine Biologics Corp	27-Apr-23	
L-122-2023/0	Zhou, Tongqing		Medigen Vaccine Biologics Corp	27-Apr-23	
L-023-2022/0	(b) (4)		Thermo Fisher Scientific	28-Apr-23	
L-023-2022/0			Thermo Fisher Scientific	28-Apr-23	
L-023-2022/0			Thermo Fisher Scientific	28-Apr-23	

NIH Patent Licensing Activities
NIAID
May 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total May Income	License Cumulative Income	Inventor Awards May	Net Remaining to IC
L-171-2023/0	Akin, Cem	(b) (4),	Alector, LLC	1-May-23						(b) (3) (A), (b) (4), (b) (6)
L-171-2023/0	Kirshenbaum, Arnold	(b) (6)	Alector, LLC	1-May-23						
L-171-2023/0	Metcalfe, Dean D		Alector, LLC	1-May-23						
L-197-2005/6	Chanock, (b) (6) Robert		Serum Institute of India PVT. LTD	3-May-23						
L-197-2005/6	Hoshino, Yasutaka		Serum Institute of India PVT. LTD	3-May-23						
L-197-2005/6	Kapikian, (b) (6) Albert Z		Serum Institute of India PVT. LTD	3-May-23						
L-099-2017/1	Akin, Cem		Ei Lilly and Company	9-May-23						
L-099-2017/1	Kirshenbaum, Arnold		Ei Lilly and Company	9-May-23						
L-099-2017/1	Metcalfe, Dean D		Ei Lilly and Company	9-May-23						
L-164-2021/0	Akin, Cem		Eurofins Beacon Discovery, Inc.	9-May-23						
L-164-2021/0	Kirshenbaum, Arnold		Eurofins Beacon Discovery, Inc.	9-May-23						
L-164-2021/0	Metcalfe, Dean D		Eurofins Beacon Discovery, Inc.	9-May-23						
L-157-2020/0	Germain, Ronald N.		Biolegend, Inc.	10-May-23						
L-157-2020/0	Gerner, Michael Y		Biolegend, Inc.	10-May-23						
L-157-2020/0	Li, Weizhe		Biolegend, Inc.	10-May-23						
L-099-2014/3	Leppla, Stephen H.		KeraFAST	11-May-23						
L-099-2014/3	Leysath, Clinton E.		KeraFAST	11-May-23						
L-099-2014/3	Phillips, Damilola D.		KeraFAST	11-May-23						
L-020-2015/1	Leppla, Stephen H.		KeraFAST	11-May-23						
L-078-2022/0	(b) (4)		Vaxxas Pty Ltd	17-May-23						
L-078-2022/0			Vaxxas Pty Ltd	17-May-23						
L-078-2022/0			Vaxxas Pty Ltd	17-May-23						
L-132-2020/0	Chen, Zhao Chun		Absolute Antibody Ltd.	19-May-23						
L-132-2020/0	Emerson, Suzanne U.		Absolute Antibody Ltd.	19-May-23						
L-132-2020/0	Leppla, Stephen H.		Absolute Antibody Ltd.	19-May-23						
L-132-2020/0	Purcell, Robert H.		Absolute Antibody Ltd.	19-May-23						
Note: L-132-2020/0 split between NIAID; NICHD; NIDCR										
L-193-2023/0	Baxa, Ulrich		Patronus Biotech	23-May-23						
L-193-2023/0	Boyington, Jeffrey C.		Patronus Biotech	23-May-23						
L-193-2023/0	Chen, Lei		Patronus Biotech	23-May-23						

L-193-2023/0	Chen, Man	(b) (4), (b) (6)	Patronus Biotech	23-May-23	(b) (3) (A), (b) (4), (b) (6)
L-193-2023/0	Chuang, Gwo-Yu		Patronus Biotech	23-May-23	
L-193-2023/0	Druz, Aliaksandr A.		Patronus Biotech	23-May-23	
L-193-2023/0	Georgiev, Ivelin S.		Patronus Biotech	23-May-23	
L-193-2023/0	Gorman, Jason		Patronus Biotech	23-May-23	
L-193-2023/0	Kwong, Peter D.		Patronus Biotech	23-May-23	
L-193-2023/0	McLellan, Jason Scott		Patronus Biotech	23-May-23	
L-193-2023/0	OFEK, GILAD A		Patronus Biotech	23-May-23	
L-193-2023/0	Ou, Li		Patronus Biotech	23-May-23	
L-193-2023/0	Pancera, Marie L.		Patronus Biotech	23-May-23	
L-193-2023/0	Rundlet, Emily J.		Patronus Biotech	23-May-23	
L-193-2023/0	Sastry, Mallika		Patronus Biotech	23-May-23	
L-193-2023/0	Soto, Cinque		Patronus Biotech	23-May-23	
L-193-2023/0	Srivatsan, Sanjay R.		Patronus Biotech	23-May-23	
L-193-2023/0	Stewart-Jones, Guillaume B. E.		Patronus Biotech	23-May-23	
L-193-2023/0	Thomas, Paul V.		Patronus Biotech	23-May-23	
L-193-2023/0	Tsybovsky, Yaroslav		Patronus Biotech	23-May-23	
L-193-2023/0	Van Galen, Joseph		Patronus Biotech	23-May-23	
L-193-2023/0	YANG, YONGPING		Patronus Biotech	23-May-23	
L-193-2023/0	Zhang, Baoshan		Patronus Biotech	23-May-23	
L-193-2023/0	Zhou, Tongqing		Patronus Biotech	23-May-23	
L-118-2009/3	Chanock, (b) (6) Robert		Sinovac Biotech, Ltd	26-May-23	
L-118-2009/3	Hoshino, Yasutaka		Sinovac Biotech, Ltd	26-May-23	
L-118-2009/3	Kapikian, (b) (6) Albert Z		Sinovac Biotech, Ltd	26-May-23	
L-118-2009/3	NIAID		Sinovac Biotech, Ltd	26-May-23	
L-118-2009/3	Chanock, (b) (6) Robert	(b) (4), (b) (6)	Sinovac Biotech, Ltd	30-May-23	
L-118-2009/3	Hoshino, Yasutaka		Sinovac Biotech, Ltd	30-May-23	
L-118-2009/3	Kapikian, (b) (6) Albert Z		Sinovac Biotech, Ltd	30-May-23	
L-118-2009/3	Chanock, (b) (6) Robert		Sinovac Biotech, Ltd	30-May-23	
L-118-2009/3	Hoshino, Yasutaka		Sinovac Biotech, Ltd	30-May-23	
L-118-2009/3	Kapikian, (b) (6) Albert Z		Sinovac Biotech, Ltd	30-May-23	
L-049-2023/0	(b) (4)		Moderna TX, Inc.	30-May-23	
L-049-2023/0			Moderna TX, Inc.	30-May-23	
L-341-2017/1	Garboczi, David		Active Motif, Inc.	31-May-23	
L-341-2017/1	Lantz, Larry		Active Motif, Inc.	31-May-23	
L-341-2017/1	Leppla, Stephen H.		Active Motif, Inc.	31-May-23	
L-341-2017/1	Leysath, Clinton E.		Active Motif, Inc.	31-May-23	
L-341-2017/1	Phillips, Damilola D.		Active Motif, Inc.	31-May-23	

NIH Patent Licensing Activities
NIAID
June 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total June Income	License Cumulative Income	Inventor Awards June	Net Remaining to IC
L-019-2008/0	Schubert, Ulrich K.	(b) (4), (b) (6)	Institut Pasteur	2-Jun-23	(b) (3) (A), (b) (4), (b) (6)					
L-019-2008/0	Yewdell, Jonathan W.		Institut Pasteur	2-Jun-23						

Note: L-019-2008/0 split between FDA; NCI; NIAID; NIBIB; NIDDK

(b) (3) (A), (b) (4), (b) (6)

L-155-2018/2	Baxa, Ulrich	(b) (4), (b) (6)	Icosavax	2-Jun-23
L-155-2018/2	Boyington, Jeffrey C.		Icosavax	2-Jun-23
L-155-2018/2	Buchholz, Ursula		Icosavax	2-Jun-23
L-155-2018/2	Chen, Lei		Icosavax	2-Jun-23
L-155-2018/2	Chen, Man		Icosavax	2-Jun-23
L-155-2018/2	Chuang, Gwo-Yu		Icosavax	2-Jun-23
L-155-2018/2	Collins, Peter L.		Icosavax	2-Jun-23
L-155-2018/2	Druz, Aliaksandr A.		Icosavax	2-Jun-23
L-155-2018/2	Georgiev, Ivelin S.		Icosavax	2-Jun-23
L-155-2018/2	Gorman, Jason		Icosavax	2-Jun-23
L-155-2018/2	Kwong, Peter D.		Icosavax	2-Jun-23
L-155-2018/2	McLellan, Jason Scott		Icosavax	2-Jun-23
L-155-2018/2	OFEK, GILAD A		Icosavax	2-Jun-23
L-155-2018/2	Ou, Li		Icosavax	2-Jun-23
L-155-2018/2	Pancera, Marie L.		Icosavax	2-Jun-23
L-155-2018/2	Rundlet, Emily J.		Icosavax	2-Jun-23
L-155-2018/2	Sastry, Mallika		Icosavax	2-Jun-23
L-155-2018/2	Soto, Cinque		Icosavax	2-Jun-23
L-155-2018/2	Srivatsan, Sanjay R.		Icosavax	2-Jun-23
L-155-2018/2	Stewart-Jones, Guillaume B. E.		Icosavax	2-Jun-23
L-155-2018/2	Thomas, Paul V.		Icosavax	2-Jun-23
L-155-2018/2	Tsybovsky, Yaroslav		Icosavax	2-Jun-23
L-155-2018/2	Van Galen, Joseph		Icosavax	2-Jun-23
L-155-2018/2	(b) (4)		Icosavax	2-Jun-23
L-155-2018/2	YANG, YONGPING		Icosavax	2-Jun-23
L-155-2018/2	Zhang, Baoshan		Icosavax	2-Jun-23
L-155-2018/2	Zhou, Tongqing		Icosavax	2-Jun-23
L-155-2018/2	NIAID		Icosavax	2-Jun-23
L-125-2022/0	Baxa, Ulrich	(b) (4), (b) (6)	ADMA Biologics, Inc.	2-Jun-23
L-125-2022/0	Boyington, Jeffrey C.		ADMA Biologics, Inc.	2-Jun-23
L-125-2022/0	Chen, Lei		ADMA Biologics, Inc.	2-Jun-23
L-125-2022/0	Chen, Man		ADMA Biologics, Inc.	2-Jun-23
L-125-2022/0	Chuang, Gwo-Yu		ADMA Biologics, Inc.	2-Jun-23
L-125-2022/0	Druz, Aliaksandr A.		ADMA Biologics, Inc.	2-Jun-23
L-125-2022/0	Georgiev, Ivelin S.		ADMA Biologics, Inc.	2-Jun-23
L-125-2022/0	Gorman, Jason		ADMA Biologics, Inc.	2-Jun-23
L-125-2022/0	Kwong, Peter D.		ADMA Biologics, Inc.	2-Jun-23
L-125-2022/0	McLellan, Jason Scott		ADMA Biologics, Inc.	2-Jun-23
L-125-2022/0	OFEK, GILAD A		ADMA Biologics, Inc.	2-Jun-23
L-125-2022/0	Ou, Li		ADMA Biologics, Inc.	2-Jun-23
L-125-2022/0	Pancera, Marie L.		ADMA Biologics, Inc.	2-Jun-23
L-125-2022/0	Rundlet, Emily J.		ADMA Biologics, Inc.	2-Jun-23
L-125-2022/0	Sastry, Mallika		ADMA Biologics, Inc.	2-Jun-23
L-125-2022/0	Soto, Cinque		ADMA Biologics, Inc.	2-Jun-23
L-125-2022/0	Srivatsan, Sanjay R.		ADMA Biologics, Inc.	2-Jun-23
L-125-2022/0	Stewart-Jones, Guillaume B. E.		ADMA Biologics, Inc.	2-Jun-23
L-125-2022/0	Thomas, Paul V.		ADMA Biologics, Inc.	2-Jun-23
L-125-2022/0	Tsybovsky, Yaroslav		ADMA Biologics, Inc.	2-Jun-23
L-125-2022/0	Van Galen, Joseph		ADMA Biologics, Inc.	2-Jun-23
L-125-2022/0	YANG, YONGPING		ADMA Biologics, Inc.	2-Jun-23
L-125-2022/0	Zhang, Baoshan		ADMA Biologics, Inc.	2-Jun-23
L-125-2022/0	Zhou, Tongqing		ADMA Biologics, Inc.	2-Jun-23
L-070-2016/1	Akahata, Wataru		Emergent Biosolutions	7-Jun-23
L-070-2016/1	Nabel, Gary J.		Emergent Biosolutions	7-Jun-23

					(b) (3) (A), (b) (4), (b) (6)
L-070-2016/1	Rao, Srinivas	(b) (4), (b) (6)	Emergent Biosolutions	7-Jun-23	
L-070-2016/1	Sullivan, Nancy J.		Emergent Biosolutions	7-Jun-23	
L-070-2016/1	Yang, Zhi-Yong		Emergent Biosolutions	7-Jun-23	
Note: L-070-2016/1 split between CDC; NIAID					
L-209-2020/0	Shevach, Ethan M	(b) (4), (b) (6)	Proteintech Group, Inc.	7-Jun-23	
L-078-2022/0	(b) (4)		Vaxxas Pty Ltd	12-Jun-23	
L-078-2022/0			Vaxxas Pty Ltd	12-Jun-23	
L-078-2022/0			Vaxxas Pty Ltd	12-Jun-23	
L-003-2020/1	Boyington, Jeffrey C.		Calder Biosciences Inc	13-Jun-23	
L-003-2020/1	Chen, Lei		Calder Biosciences Inc	13-Jun-23	
L-003-2020/1	Chen, Man		Calder Biosciences Inc	13-Jun-23	
L-003-2020/1	Chuang, Gwo-Yu		Calder Biosciences Inc	13-Jun-23	
L-003-2020/1	Georgiev, Ivelin S.		Calder Biosciences Inc	13-Jun-23	
L-003-2020/1	Gorman, Jason		Calder Biosciences Inc	13-Jun-23	
L-003-2020/1	Kwong, Peter D.		Calder Biosciences Inc	13-Jun-23	
L-003-2020/1	McLellan, Jason Scott		Calder Biosciences Inc	13-Jun-23	
L-003-2020/1	OFEK, GILAD A		Calder Biosciences Inc	13-Jun-23	
L-003-2020/1	Pancera, Marie L.		Calder Biosciences Inc	13-Jun-23	
L-003-2020/1	Sastry, Mallika		Calder Biosciences Inc	13-Jun-23	
L-003-2020/1	Soto, Cinque		Calder Biosciences Inc	13-Jun-23	
L-003-2020/1	Srivatsan, Sanjay R.		Calder Biosciences Inc	13-Jun-23	
L-003-2020/1	Stewart-Jones, Guillaume B. E.		Calder Biosciences Inc	13-Jun-23	
L-003-2020/1	YANG, YONGPING		Calder Biosciences Inc	13-Jun-23	
L-003-2020/1	Zhang, Baoshan		Calder Biosciences Inc	13-Jun-23	
L-003-2020/1	Zhou, Tongqing		Calder Biosciences Inc	13-Jun-23	
L-078-2022/0	(b) (4)		Vaxxas Pty Ltd	13-Jun-23	
L-078-2022/0			Vaxxas Pty Ltd	13-Jun-23	
L-078-2022/0			Vaxxas Pty Ltd	13-Jun-23	
L-191-2023/0	Baxa, Ulrich		Leinco Technologies, Inc	14-Jun-23	
L-191-2023/0	Boyington, Jeffrey C.		Leinco Technologies, Inc	14-Jun-23	
L-191-2023/0	Carey, Elizabeth		Leinco Technologies, Inc	14-Jun-23	
L-191-2023/0	Chen, Lei		Leinco Technologies, Inc	14-Jun-23	
L-191-2023/0	Chen, Man		Leinco Technologies, Inc	14-Jun-23	
L-191-2023/0	Chen, Mingzong		Leinco Technologies, Inc	14-Jun-23	
L-191-2023/0	Chen, Peifeng		Leinco Technologies, Inc	14-Jun-23	
L-191-2023/0	Chuang, Gwo-Yu		Leinco Technologies, Inc	14-Jun-23	
L-191-2023/0	Druz, Aliaksandr A.		Leinco Technologies, Inc	14-Jun-23	
L-191-2023/0	Georgiev, Ivelin S.		Leinco Technologies, Inc	14-Jun-23	
L-191-2023/0	Ghosh, Mridul K.		Leinco Technologies, Inc	14-Jun-23	
L-191-2023/0	Gorman, Jason		Leinco Technologies, Inc	14-Jun-23	
L-191-2023/0	Horwitz, Joseph		Leinco Technologies, Inc	14-Jun-23	
L-191-2023/0	Kwong, Peter D.		Leinco Technologies, Inc	14-Jun-23	
L-191-2023/0	McLellan, Jason Scott		Leinco Technologies, Inc	14-Jun-23	
L-191-2023/0	Nagy, Attila		Leinco Technologies, Inc	14-Jun-23	
L-191-2023/0	OFEK, GILAD A		Leinco Technologies, Inc	14-Jun-23	
L-191-2023/0	Ou, Li		Leinco Technologies, Inc	14-Jun-23	
L-191-2023/0	Pancera, Marie L.		Leinco Technologies, Inc	14-Jun-23	
L-191-2023/0	Rundlet, Emily J.		Leinco Technologies, Inc	14-Jun-23	
L-191-2023/0	Sastry, Mallika		Leinco Technologies, Inc	14-Jun-23	
L-191-2023/0	Soto, Cinque		Leinco Technologies, Inc	14-Jun-23	
L-191-2023/0	Srivatsan, Sanjay R.		Leinco Technologies, Inc	14-Jun-23	
L-191-2023/0	Stewart-Jones, Guillaume B. E.		Leinco Technologies, Inc	14-Jun-23	

(b) (3) (A), (b) (4), (b) (6)

L-191-2023/0	Thomas, Paul V.	(b) (4), (b) (6)	Leinco Technologies, Inc	14-Jun-23
L-191-2023/0	Tsybovsky, Yaroslav		Leinco Technologies, Inc	14-Jun-23
L-191-2023/0	Van Galen, Joseph		Leinco Technologies, Inc	14-Jun-23
L-191-2023/0	YANG, YONGPING		Leinco Technologies, Inc	14-Jun-23
L-191-2023/0	Zhang, Baoshan		Leinco Technologies, Inc	14-Jun-23
L-191-2023/0	Zhou, Tongqing		Leinco Technologies, Inc	14-Jun-23
L-131-2022/1	Baxa, Ulrich		Ceva Sante Animale S.A.	20-Jun-23
L-131-2022/1	Boyington, Jeffrey C.		Ceva Sante Animale S.A.	20-Jun-23
L-131-2022/1	Chen, Lei		Ceva Sante Animale S.A.	20-Jun-23
L-131-2022/1	Chen, Man		Ceva Sante Animale S.A.	20-Jun-23
L-131-2022/1	Chuang, Gwo-Yu		Ceva Sante Animale S.A.	20-Jun-23
L-131-2022/1	Druz, Aliaksandr A.		Ceva Sante Animale S.A.	20-Jun-23
L-131-2022/1	Georgiev, Ivelin S.		Ceva Sante Animale S.A.	20-Jun-23
L-131-2022/1	Gorman, Jason		Ceva Sante Animale S.A.	20-Jun-23
L-131-2022/1	Kwong, Peter D.		Ceva Sante Animale S.A.	20-Jun-23
L-131-2022/1	McLellan, Jason Scott		Ceva Sante Animale S.A.	20-Jun-23
L-131-2022/1	OFEK, GILAD A		Ceva Sante Animale S.A.	20-Jun-23
L-131-2022/1	Ou, Li		Ceva Sante Animale S.A.	20-Jun-23
L-131-2022/1	Pancera, Marie L.		Ceva Sante Animale S.A.	20-Jun-23
L-131-2022/1	Rundlet, Emily J.		Ceva Sante Animale S.A.	20-Jun-23
L-131-2022/1	Sastry, Mallika		Ceva Sante Animale S.A.	20-Jun-23
L-131-2022/1	Soto, Cinque		Ceva Sante Animale S.A.	20-Jun-23
L-131-2022/1	Srivatsan, Sanjay R.		Ceva Sante Animale S.A.	20-Jun-23
L-131-2022/1	Stewart-Jones, Guillaume B. E.		Ceva Sante Animale S.A.	20-Jun-23
L-131-2022/1	Thomas, Paul V.		Ceva Sante Animale S.A.	20-Jun-23
L-131-2022/1	Tsybovsky, Yaroslav		Ceva Sante Animale S.A.	20-Jun-23
L-131-2022/1	Van Galen, Joseph		Ceva Sante Animale S.A.	20-Jun-23
L-131-2022/1	YANG, YONGPING		Ceva Sante Animale S.A.	20-Jun-23
L-131-2022/1	Zhang, Baoshan		Ceva Sante Animale S.A.	20-Jun-23
L-131-2022/1	Zhou, Tongqing		Ceva Sante Animale S.A.	20-Jun-23
L-131-2022/1	Baxa, Ulrich		Ceva Sante Animale S.A.	20-Jun-23
L-131-2022/1	Boyington, Jeffrey C.		Ceva Sante Animale S.A.	20-Jun-23
L-131-2022/1	Chen, Lei		Ceva Sante Animale S.A.	20-Jun-23
L-131-2022/1	Chen, Man		Ceva Sante Animale S.A.	20-Jun-23
L-131-2022/1	Chuang, Gwo-Yu		Ceva Sante Animale S.A.	20-Jun-23
L-131-2022/1	Druz, Aliaksandr A.		Ceva Sante Animale S.A.	20-Jun-23
L-131-2022/1	Georgiev, Ivelin S.		Ceva Sante Animale S.A.	20-Jun-23
L-131-2022/1	Gorman, Jason		Ceva Sante Animale S.A.	20-Jun-23
L-131-2022/1	Kwong, Peter D.		Ceva Sante Animale S.A.	20-Jun-23
L-131-2022/1	McLellan, Jason Scott		Ceva Sante Animale S.A.	20-Jun-23
L-131-2022/1	OFEK, GILAD A		Ceva Sante Animale S.A.	20-Jun-23
L-131-2022/1	Ou, Li		Ceva Sante Animale S.A.	20-Jun-23
L-131-2022/1	Pancera, Marie L.		Ceva Sante Animale S.A.	20-Jun-23
L-131-2022/1	Rundlet, Emily J.		Ceva Sante Animale S.A.	20-Jun-23
L-131-2022/1	Sastry, Mallika		Ceva Sante Animale S.A.	20-Jun-23
L-131-2022/1	Soto, Cinque		Ceva Sante Animale S.A.	20-Jun-23
L-131-2022/1	Srivatsan, Sanjay R.		Ceva Sante Animale S.A.	20-Jun-23
L-131-2022/1	Stewart-Jones, Guillaume B. E.		Ceva Sante Animale S.A.	20-Jun-23
L-131-2022/1	Thomas, Paul V.		Ceva Sante Animale S.A.	20-Jun-23
L-131-2022/1	Tsybovsky, Yaroslav		Ceva Sante Animale S.A.	20-Jun-23
L-131-2022/1	Van Galen, Joseph		Ceva Sante Animale S.A.	20-Jun-23
L-131-2022/1	YANG, YONGPING		Ceva Sante Animale S.A.	20-Jun-23
L-131-2022/1	Zhang, Baoshan		Ceva Sante Animale S.A.	20-Jun-23
L-131-2022/1	Zhou, Tongqing		Ceva Sante Animale S.A.	20-Jun-23

(b) (3) (A), (b) (4), (b) (6)

L-106-2023/0	Baxa, Ulrich	(b) (4), (b) (6)	Changchun BCHT Biotechnology Co.	27-Jun-23
L-106-2023/0	Boyington, Jeffrey C.		Changchun BCHT Biotechnology Co.	27-Jun-23
L-106-2023/0	Carey, Elizabeth		Changchun BCHT Biotechnology Co.	27-Jun-23
L-106-2023/0	Chen, Lei		Changchun BCHT Biotechnology Co.	27-Jun-23
L-106-2023/0	Chen, Man		Changchun BCHT Biotechnology Co.	27-Jun-23
L-106-2023/0	Chen, Mingzong		Changchun BCHT Biotechnology Co.	27-Jun-23
L-106-2023/0	Chen, Peifeng		Changchun BCHT Biotechnology Co.	27-Jun-23
L-106-2023/0	Chuang, Gwo-Yu		Changchun BCHT Biotechnology Co.	27-Jun-23
L-106-2023/0	Druz, Aliaksandr A.		Changchun BCHT Biotechnology Co.	27-Jun-23
L-106-2023/0	Georgiev, Ivelin S.		Changchun BCHT Biotechnology Co.	27-Jun-23
L-106-2023/0	Ghosh, Mridul K.		Changchun BCHT Biotechnology Co.	27-Jun-23
L-106-2023/0	Gorman, Jason		Changchun BCHT Biotechnology Co.	27-Jun-23
L-106-2023/0	Horwitz, Joseph		Changchun BCHT Biotechnology Co.	27-Jun-23
L-106-2023/0	Kwong, Peter D.		Changchun BCHT Biotechnology Co.	27-Jun-23
L-106-2023/0	McLellan, Jason Scott		Changchun BCHT Biotechnology Co.	27-Jun-23
L-106-2023/0	Nagy, Attila		Changchun BCHT Biotechnology Co.	27-Jun-23
L-106-2023/0	OFEK, GILAD A		Changchun BCHT Biotechnology Co.	27-Jun-23
L-106-2023/0	Ou, Li		Changchun BCHT Biotechnology Co.	27-Jun-23
L-106-2023/0	Pancera, Marie L.		Changchun BCHT Biotechnology Co.	27-Jun-23
L-106-2023/0	Rundlet, Emily J.		Changchun BCHT Biotechnology Co.	27-Jun-23
L-106-2023/0	Sastry, Mallika		Changchun BCHT Biotechnology Co.	27-Jun-23
L-106-2023/0	Soto, Cinque		Changchun BCHT Biotechnology Co.	27-Jun-23
L-106-2023/0	Srivatsan, Sanjay R.		Changchun BCHT Biotechnology Co.	27-Jun-23
L-106-2023/0	Stewart-Jones, Guillaume B. E.		Changchun BCHT Biotechnology Co.	27-Jun-23
L-106-2023/0	Thomas, Paul V.		Changchun BCHT Biotechnology Co.	27-Jun-23
L-106-2023/0	Tsybovsky, Yaroslav		Changchun BCHT Biotechnology Co.	27-Jun-23
L-106-2023/0	Van Galen, Joseph		Changchun BCHT Biotechnology Co.	27-Jun-23
L-106-2023/0	YANG, YONGPING		Changchun BCHT Biotechnology Co.	27-Jun-23
L-106-2023/0	Zhang, Baoshan		Changchun BCHT Biotechnology Co.	27-Jun-23
L-106-2023/0	Zhou, Tongqing		Changchun BCHT Biotechnology Co.	27-Jun-23
L-118-2009/2	Chanock, (b) (6) Robert		Sinovac Biotech, Ltd.	28-Jun-23
L-118-2009/2	Hoshino, Yasutaka		Sinovac Biotech, Ltd.	28-Jun-23
L-118-2009/2	Kapikian, (b) (6) Albert Z		Sinovac Biotech, Ltd.	28-Jun-23
L-118-2009/2	Chanock, (b) (6) Robert		Sinovac Biotech, Ltd.	28-Jun-23
L-118-2009/2	Hoshino, Yasutaka		Sinovac Biotech, Ltd.	28-Jun-23
L-118-2009/2	Kapikian, (b) (6) Albert Z		Sinovac Biotech, Ltd.	28-Jun-23
L-118-2009/2	Chanock, (b) (6) Robert		Sinovac Biotech, Ltd.	28-Jun-23
L-118-2009/2	Hoshino, Yasutaka		Sinovac Biotech, Ltd.	28-Jun-23
L-118-2009/2	Kapikian, (b) (6) Albert Z		Sinovac Biotech, Ltd.	28-Jun-23
L-118-2009/2	NIAID		Sinovac Biotech, Ltd.	28-Jun-23
L-118-2009/3	Chanock, (b) (6) Robert	(b) (4), (b) (6)	Sinovac Biotech, Ltd	28-Jun-23
L-118-2009/3	Hoshino, Yasutaka		Sinovac Biotech, Ltd	28-Jun-23
L-118-2009/3	Kapikian, (b) (6) Albert Z		Sinovac Biotech, Ltd	28-Jun-23
L-144-2014/1	Baxa, Ulrich		GlaxoSmithKline Biologicals SA	28-Jun-23
L-144-2014/1	Boyington, Jeffrey C.		GlaxoSmithKline Biologicals SA	28-Jun-23
L-144-2014/1	Chen, Lei		GlaxoSmithKline Biologicals SA	28-Jun-23
L-144-2014/1	Chen, Man		GlaxoSmithKline Biologicals SA	28-Jun-23
L-144-2014/1	Chuang, Gwo-Yu		GlaxoSmithKline Biologicals SA	28-Jun-23
L-144-2014/1	Druz, Aliaksandr A.		GlaxoSmithKline Biologicals SA	28-Jun-23
L-144-2014/1	Georgiev, Ivelin S.		GlaxoSmithKline Biologicals SA	28-Jun-23
L-144-2014/1	Gorman, Jason		GlaxoSmithKline Biologicals SA	28-Jun-23

											(b) (3) (A), (b) (4), (b) (6)
L-144-2014/1	Kwong, Peter D.	(b) (4), (b) (6)	GlaxoSmithKline Biologicals SA	28-Jun-23							
L-144-2014/1	McLellan, Jason Scott		GlaxoSmithKline Biologicals SA	28-Jun-23							
L-144-2014/1	OFEK, GILAD A		GlaxoSmithKline Biologicals SA	28-Jun-23							
L-144-2014/1	Ou, Li		GlaxoSmithKline Biologicals SA	28-Jun-23							
L-144-2014/1	Pancera, Marie L.		GlaxoSmithKline Biologicals SA	28-Jun-23							
L-144-2014/1	Rundlet, Emily J.		GlaxoSmithKline Biologicals SA	28-Jun-23							
L-144-2014/1	Sastry, Mallika		GlaxoSmithKline Biologicals SA	28-Jun-23							
L-144-2014/1	Soto, Cinque		GlaxoSmithKline Biologicals SA	28-Jun-23							
L-144-2014/1	Srivatsan, Sanjay R.		GlaxoSmithKline Biologicals SA	28-Jun-23							
L-144-2014/1	Stewart-Jones, Guillaume B. E.		GlaxoSmithKline Biologicals SA	28-Jun-23							
L-144-2014/1	Thomas, Paul V.		GlaxoSmithKline Biologicals SA	28-Jun-23							
L-144-2014/1	Tsybovsky, Yaroslav		GlaxoSmithKline Biologicals SA	28-Jun-23							
L-144-2014/1	Van Galen, Joseph		GlaxoSmithKline Biologicals SA	28-Jun-23							
L-144-2014/1	YANG, YONGPING		GlaxoSmithKline Biologicals SA	28-Jun-23							
L-144-2014/1	Zhang, Baoshan		GlaxoSmithKline Biologicals SA	28-Jun-23							
L-144-2014/1	Zhou, Tongqing		GlaxoSmithKline Biologicals SA	28-Jun-23							
L-106-2023/0	NIAID		Changchun BCHT Biotechnology Co.	28-Jun-23							

NIH Patent Licensing Activities
NIAID
July 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total July Income	License Cumulative Income	Inventor Awards July	Net Remaining to IC
										(b) (3) (A), (b) (4), (b) (6)
L-021-2010/1	Long, Eric O.	(b) (4), (b) (6)	EXBIO Praha	3-Jul-23						
L-021-2010/1	Rajagopalan, Sumati		EXBIO Praha	3-Jul-23						
L-101-2014/1	DeVico, Angela M.		EXBIO Praha	3-Jul-23						
L-101-2014/1	Korty, Patricia E.		EXBIO Praha	3-Jul-23						
L-101-2014/1	Shevach, Ethan M		EXBIO Praha	3-Jul-23						
L-074-1991/3	Harriman, Gregory R.		Becton, Dickson and Company	5-Jul-23						
L-074-1991/3	Kunimoto, Dennis Y.		Becton, Dickson and Company	5-Jul-23						
L-074-1991/3	Paul, (b) (6) William E.		Becton, Dickson and Company	5-Jul-23						
L-074-1991/3	Strober, Warren		Becton, Dickson and Company	5-Jul-23						
L-079-1993/2	Ohara, Junichi		BD Biosciences - BD PharMingen	5-Jul-23						
L-079-1993/2	Paul, (b) (6) William E.		BD Biosciences - BD PharMingen	5-Jul-23						
L-057-2018/1	Akin, Cem		Opsidio, LLC	5-Jul-23						
L-057-2018/1	Kirshenbaum, Arnold		Opsidio, LLC	5-Jul-23						
L-057-2018/1	Metcalfe, Dean D		Opsidio, LLC	5-Jul-23						
L-065-2021/2	NIAID		Lyell Immunopharma, Inc.	5-Jul-23						
Note: L-065-2021/2 split between NCI; NIAID										
L-069-2010/1	NIAID		Beijing Minhai Biotechnology Co Ltd	7-Jul-23						
L-069-2010/1	Chanock, (b) (6) Robert	(b) (4), (b) (6)	Beijing Minhai Biotechnology Co Ltd	7-Jul-23						
L-069-2010/1	Hoshino, Yasutaka		Beijing Minhai Biotechnology Co Ltd	7-Jul-23						
L-069-2010/1	Kapikian, (b) (6) Albert Z		Beijing Minhai Biotechnology Co Ltd	7-Jul-23						
L-069-2010/1	Chanock, (b) (6) Robert		Beijing Minhai Biotechnology Co Ltd	7-Jul-23						
L-069-2010/1	Hoshino, Yasutaka		Beijing Minhai Biotechnology Co Ltd	7-Jul-23						

L-069-2010/1	Kapikian, (b) (6) Albert Z	(b) (4), (b) (6)	Beijing Minhai Biotechnology Co Ltd	7-Jul-23	(b) (3) (A), (b) (4), (b) (6)
L-156-2023/0	Neva, Franklin		Vircell	9-Jul-23	
L-156-2023/0	Nutman, Thomas B.		Vircell	9-Jul-23	
L-156-2023/0	Varatharajalu, Ravi		Vircell	9-Jul-23	
L-118-2009/3	Chanock, (b) (6) Robert		Sinovac Biotech, Ltd	14-Jul-23	
L-118-2009/3	Hoshino, Yasutaka		Sinovac Biotech, Ltd	14-Jul-23	
L-118-2009/3	Kapikian, (b) (6) Albert Z		Sinovac Biotech, Ltd	14-Jul-23	
L-244-2019/0	De Wit, Emmie		Public Health Vaccines, LLC.	19-Jul-23	
L-244-2019/0	DeBuysscher, Blair Lynn		Public Health Vaccines, LLC.	19-Jul-23	
L-244-2019/0	Feldmann, Heinrich Ulrich		Public Health Vaccines, LLC.	19-Jul-23	
L-244-2019/0	Marzi, Andrea Maria		Public Health Vaccines, LLC.	19-Jul-23	
L-244-2019/0	Prescott, Joseph		Public Health Vaccines, LLC.	19-Jul-23	
L-279-2019/1	Boyington, Jeffrey C.		BlueWillow Biologics,Inc.	20-Jul-23	
L-279-2019/1	Carey, Elizabeth		BlueWillow Biologics,Inc.	20-Jul-23	
L-279-2019/1	Chen, Lei		BlueWillow Biologics,Inc.	20-Jul-23	
L-279-2019/1	Chen, Man		BlueWillow Biologics,Inc.	20-Jul-23	
L-279-2019/1	Chen, Mingzong		BlueWillow Biologics,Inc.	20-Jul-23	
L-279-2019/1	Chen, Peifeng		BlueWillow Biologics,Inc.	20-Jul-23	
L-279-2019/1	Chuang, Gwo-Yu		BlueWillow Biologics,Inc.	20-Jul-23	
L-279-2019/1	Georgiev, Ivelin S.		BlueWillow Biologics,Inc.	20-Jul-23	
L-279-2019/1	Ghosh, Mridul K.		BlueWillow Biologics,Inc.	20-Jul-23	
L-279-2019/1	Gorman, Jason		BlueWillow Biologics,Inc.	20-Jul-23	
L-279-2019/1	Horwitz, Joseph		BlueWillow Biologics,Inc.	20-Jul-23	
L-279-2019/1	Kwong, Peter D.		BlueWillow Biologics,Inc.	20-Jul-23	
L-279-2019/1	McLellan, Jason Scott		BlueWillow Biologics,Inc.	20-Jul-23	
L-279-2019/1	Nagy, Attila		BlueWillow Biologics,Inc.	20-Jul-23	
L-279-2019/1	OFEK, GILAD A		BlueWillow Biologics,Inc.	20-Jul-23	
L-279-2019/1	Pancera, Marie L.		BlueWillow Biologics,Inc.	20-Jul-23	
L-279-2019/1	Sastry, Mallika		BlueWillow Biologics,Inc.	20-Jul-23	
L-279-2019/1	Soto, Cinque		BlueWillow Biologics,Inc.	20-Jul-23	
L-279-2019/1	Srivatsan, Sanjay R.		BlueWillow Biologics,Inc.	20-Jul-23	
L-279-2019/1	Stewart-Jones, Guillaume B. E.		BlueWillow Biologics,Inc.	20-Jul-23	
L-279-2019/1	(b) (4)		BlueWillow Biologics,Inc.	20-Jul-23	
L-279-2019/1	YANG, YONGPING		BlueWillow Biologics,Inc.	20-Jul-23	
L-279-2019/1	Zhang, Baoshan		BlueWillow Biologics,Inc.	20-Jul-23	
L-279-2019/1	Zhou, Tongqing		BlueWillow Biologics,Inc.	20-Jul-23	
L-103-2023/0	Akin, Cem		AbbVie, Inc.	20-Jul-23	
L-103-2023/0	Kirshenbaum, Arnold		AbbVie, Inc.	20-Jul-23	
L-103-2023/0	Metcalfe, Dean D		AbbVie, Inc.	20-Jul-23	
L-257-2023/0	Baxa, Ulrich		SK bioscience Co., Ltd.	20-Jul-23	
L-257-2023/0	Boyington, Jeffrey C.		SK bioscience Co., Ltd.	20-Jul-23	
L-257-2023/0	Chen, Lei		SK bioscience Co., Ltd.	20-Jul-23	
L-257-2023/0	Chen, Man		SK bioscience Co., Ltd.	20-Jul-23	
L-257-2023/0	Chuang, Gwo-Yu		SK bioscience Co., Ltd.	20-Jul-23	
L-257-2023/0	Druz, Aliaksandr A.		SK bioscience Co., Ltd.	20-Jul-23	
L-257-2023/0	Georgiev, Ivelin S.		SK bioscience Co., Ltd.	20-Jul-23	
L-257-2023/0	Gorman, Jason		SK bioscience Co., Ltd.	20-Jul-23	
L-257-2023/0	Kwong, Peter D.		SK bioscience Co., Ltd.	20-Jul-23	
L-257-2023/0	McLellan, Jason Scott		SK bioscience Co., Ltd.	20-Jul-23	
L-257-2023/0	OFEK, GILAD A		SK bioscience Co., Ltd.	20-Jul-23	
L-257-2023/0	Ou, Li		SK bioscience Co., Ltd.	20-Jul-23	

		(b) (4), (b) (6)			(b) (3) (A), (b) (4), (b) (6)
L-257-2023/0	Pancera, Marie L.		SK bioscience Co., Ltd.	20-Jul-23	
L-257-2023/0	Rundlet, Emily J.		SK bioscience Co., Ltd.	20-Jul-23	
L-257-2023/0	Sastry, Mallika		SK bioscience Co., Ltd.	20-Jul-23	
L-257-2023/0	Soto, Cinque		SK bioscience Co., Ltd.	20-Jul-23	
L-257-2023/0	Srivatsan, Sanjay R.		SK bioscience Co., Ltd.	20-Jul-23	
L-257-2023/0	Stewart-Jones, Guillaume B. E.		SK bioscience Co., Ltd.	20-Jul-23	
L-257-2023/0	Thomas, Paul V.		SK bioscience Co., Ltd.	20-Jul-23	
L-257-2023/0	Tsybovsky, Yaroslav		SK bioscience Co., Ltd.	20-Jul-23	
L-257-2023/0	Van Galen, Joseph		SK bioscience Co., Ltd.	20-Jul-23	
L-257-2023/0	YANG, YONGPING		SK bioscience Co., Ltd.	20-Jul-23	
L-257-2023/0	Zhang, Baoshan		SK bioscience Co., Ltd.	20-Jul-23	
L-257-2023/0	Zhou, Tongqing		SK bioscience Co., Ltd.	20-Jul-23	
L-111-2015/2	Brock, Linda G.		Codagenix Inc.	21-Jul-23	
L-111-2015/2	Buchholz, Ursula		Codagenix Inc.	21-Jul-23	
L-111-2015/2	Collins, Peter L.		Codagenix Inc.	21-Jul-23	
L-111-2015/2	DiNapoli, Joshua M.		Codagenix Inc.	21-Jul-23	
L-111-2015/2	Le Nouen, Cyril J.		Codagenix Inc.	21-Jul-23	
L-111-2015/2	(b) (4)		Codagenix Inc.	21-Jul-23	
L-262-2020/0	NIAID		Sanofi Pasteur	24-Jul-23	
L-009-2006/0	Collins, Peter L.	(b) (4), (b) (6)	Apath, LLC	25-Jul-23	
L-052-2023/0	NIAID		Zoetis	26-Jul-23	

NIH Patent Licensing Activities
NIAID
August 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total August Income	License Cumulative Income	Inventor Awards August	Net Remaining to IC
L-115-2000/2	Cheung, Yiu Chong Gordon	(b) (4), (b) (6)	List Biological Laboratories, Inc.	2-Aug-23						(b) (3) (A), (b) (4), (b) (6)
L-115-2000/2	Gupta, Pradeep K.		List Biological Laboratories, Inc.	2-Aug-23						
L-115-2000/2	Hsu, Su-Cheng Dana		List Biological Laboratories, Inc.	2-Aug-23						
L-115-2000/2	Hu, Haijing		List Biological Laboratories, Inc.	2-Aug-23						
L-115-2000/2	Leppla, Stephen H.		List Biological Laboratories, Inc.	2-Aug-23						
L-115-2000/2	Leysath, Clinton E.		List Biological Laboratories, Inc.	2-Aug-23						
L-115-2000/2	Moayeri, Mahtab		List Biological Laboratories, Inc.	2-Aug-23						
L-115-2000/2	Pomerantsev, Andrei P		List Biological Laboratories, Inc.	2-Aug-23						
Note: L-115-2000/2 split between NIAID; NIDCR										
L-155-2018/3	Baxa, Ulrich		Icosavax Inc.	4-Aug-23						
L-155-2018/3	Boyington, Jeffrey C.		Icosavax Inc.	4-Aug-23						
L-155-2018/3	Buchholz, Ursula		Icosavax Inc.	4-Aug-23						
L-155-2018/3	Chen, Lei		Icosavax Inc.	4-Aug-23						
L-155-2018/3	Chen, Man		Icosavax Inc.	4-Aug-23						
L-155-2018/3	Chuang, Gwo-Yu		Icosavax Inc.	4-Aug-23						
L-155-2018/3	Collins, Peter L.		Icosavax Inc.	4-Aug-23						
L-155-2018/3	Druz, Aliaksandr A.		Icosavax Inc.	4-Aug-23						
L-155-2018/3	Georgiev, Ivelin S.		Icosavax Inc.	4-Aug-23						
L-155-2018/3	Gorman, Jason		Icosavax Inc.	4-Aug-23						
L-155-2018/3	(b) (4)		Icosavax Inc.	4-Aug-23						
L-155-2018/3	Kwong, Peter D.		Icosavax Inc.	4-Aug-23						
L-155-2018/3	McLellan, Jason Scott		Icosavax Inc.	4-Aug-23						

(b) (3) (A), (b) (4), (b) (6)

L-155-2018/3	OFEK, GILAD A	(b) (4), (b) (6)	Icosavax Inc.	4-Aug-23
L-155-2018/3	Ou, Li		Icosavax Inc.	4-Aug-23
L-155-2018/3	Pancera, Marie L.		Icosavax Inc.	4-Aug-23
L-155-2018/3	Rundlet, Emily J.		Icosavax Inc.	4-Aug-23
L-155-2018/3	Sastry, Mallika		Icosavax Inc.	4-Aug-23
L-155-2018/3	Soto, Cinque		Icosavax Inc.	4-Aug-23
L-155-2018/3	Srivatsan, Sanjay R.		Icosavax Inc.	4-Aug-23
L-155-2018/3	Stewart-Jones, Guillaume B. E.		Icosavax Inc.	4-Aug-23
L-155-2018/3	Thomas, Paul V.		Icosavax Inc.	4-Aug-23
L-155-2018/3	Tsybovsky, Yaroslav		Icosavax Inc.	4-Aug-23
L-155-2018/3	Van Galen, Joseph		Icosavax Inc.	4-Aug-23
L-155-2018/3	(b) (4)		Icosavax Inc.	4-Aug-23
L-155-2018/3	YANG, YONGPING		Icosavax Inc.	4-Aug-23
L-155-2018/3	Zhang, Baoshan		Icosavax Inc.	4-Aug-23
L-155-2018/3	Zhou, Tongqing		Icosavax Inc.	4-Aug-23
L-155-2018/3	NIAID		Icosavax Inc.	4-Aug-23
L-070-2023/1	Baxa, Ulrich	(b) (4), (b) (6)	Yither Biotech Co. Ltd., Jiangsu Zhonghu	4-Aug-23
L-070-2023/1	Boyington, Jeffrey C.		Yither Biotech Co. Ltd., Jiangsu Zhonghu	4-Aug-23
L-070-2023/1	Chen, Lei		Yither Biotech Co. Ltd., Jiangsu Zhonghu	4-Aug-23
L-070-2023/1	Chen, Man		Yither Biotech Co. Ltd., Jiangsu Zhonghu	4-Aug-23
L-070-2023/1	Chuang, Gwo-Yu		Yither Biotech Co. Ltd., Jiangsu Zhonghu	4-Aug-23
L-070-2023/1	Druz, Aliaksandr A.		Yither Biotech Co. Ltd., Jiangsu Zhonghu	4-Aug-23
L-070-2023/1	Georgiev, Ivelin S.		Yither Biotech Co. Ltd., Jiangsu Zhonghu	4-Aug-23
L-070-2023/1	Gorman, Jason		Yither Biotech Co. Ltd., Jiangsu Zhonghu	4-Aug-23
L-070-2023/1	Kwong, Peter D.		Yither Biotech Co. Ltd., Jiangsu Zhonghu	4-Aug-23
L-070-2023/1	McLellan, Jason Scott		Yither Biotech Co. Ltd., Jiangsu Zhonghu	4-Aug-23
L-070-2023/1	OFEK, GILAD A		Yither Biotech Co. Ltd., Jiangsu Zhonghu	4-Aug-23
L-070-2023/1	Ou, Li		Yither Biotech Co. Ltd., Jiangsu Zhonghu	4-Aug-23
L-070-2023/1	Pancera, Marie L.		Yither Biotech Co. Ltd., Jiangsu Zhonghu	4-Aug-23
L-070-2023/1	Rundlet, Emily J.		Yither Biotech Co. Ltd., Jiangsu Zhonghu	4-Aug-23
L-070-2023/1	Sastry, Mallika		Yither Biotech Co. Ltd., Jiangsu Zhonghu	4-Aug-23
L-070-2023/1	Soto, Cinque		Yither Biotech Co. Ltd., Jiangsu Zhonghu	4-Aug-23
L-070-2023/1	Srivatsan, Sanjay R.		Yither Biotech Co. Ltd., Jiangsu Zhonghu	4-Aug-23
L-070-2023/1	Stewart-Jones, Guillaume B. E.		Yither Biotech Co. Ltd., Jiangsu Zhonghu	4-Aug-23
L-070-2023/1	Thomas, Paul V.		Yither Biotech Co. Ltd., Jiangsu Zhonghu	4-Aug-23
L-070-2023/1	Tsybovsky, Yaroslav		Yither Biotech Co. Ltd., Jiangsu Zhonghu	4-Aug-23
L-070-2023/1	Van Galen, Joseph		Yither Biotech Co. Ltd., Jiangsu Zhonghu	4-Aug-23
L-070-2023/1	YANG, YONGPING		Yither Biotech Co. Ltd., Jiangsu Zhonghu	4-Aug-23
L-070-2023/1	Zhang, Baoshan		Yither Biotech Co. Ltd., Jiangsu Zhonghu	4-Aug-23
L-070-2023/1	Zhou, Tongqing		Yither Biotech Co. Ltd., Jiangsu Zhonghu	4-Aug-23
L-135-2023/0	Akin, Cem		Deep Apple Therapeutics	8-Aug-23
L-135-2023/0	Kirshenbaum, Arnold		Deep Apple Therapeutics	8-Aug-23
L-135-2023/0	Metcalfe, Dean D		Deep Apple Therapeutics	8-Aug-23
L-135-2023/0	Akin, Cem		Deep Apple Therapeutics	8-Aug-23
L-135-2023/0	Kirshenbaum, Arnold		Deep Apple Therapeutics	8-Aug-23
L-135-2023/0	Metcalfe, Dean D		Deep Apple Therapeutics	8-Aug-23
L-226-2014/2	Nutman, Thomas B.		Quest Distribution Inc.	9-Aug-23
L-059-2020/2	Akin, Cem		Merck Sharp & Dohme Corp.	9-Aug-23
L-059-2020/2	Kirshenbaum, Arnold		Merck Sharp & Dohme Corp.	9-Aug-23
L-059-2020/2	Metcalfe, Dean D		Merck Sharp & Dohme Corp.	9-Aug-23

(b) (3) (A), (b) (4), (b) (6)

L-070-2023/1	NIAID	Yither Biotech Co. Ltd., Jiangsu Zhonghu	9-Aug-23
L-197-2005/7	Chanock, (b) (6) Robert	Serum Institute of India PVT. LTD.	17-Aug-23
L-197-2005/7	Hoshino, Yasutaka	Serum Institute of India PVT. LTD.	17-Aug-23
L-197-2005/7	Kapikian, (b) (6) Albert Z	Serum Institute of India PVT. LTD.	17-Aug-23
L-154-2006/0	Mackett, Michael	Boehringer Ingleheim Animal Health USA I	17-Aug-23
L-154-2006/0	Moss, Bernard	Boehringer Ingleheim Animal Health USA I	17-Aug-23
L-154-2006/0	Smith, Geoffrey L.	Boehringer Ingleheim Animal Health USA I	17-Aug-23
L-154-2022/1	Bennuru, Sasisekhar	Big Eye Diagnostics, Inc.	17-Aug-23
L-154-2022/1	Fink, Doran	Big Eye Diagnostics, Inc.	17-Aug-23
L-154-2022/1	Kubofcik, Joseph	Big Eye Diagnostics, Inc.	17-Aug-23
L-154-2022/1	Nutman, Thomas B.	Big Eye Diagnostics, Inc.	17-Aug-23
Note: L-154-2022/1 split between NIAID; NIDCR			
L-034-2015/0	NIAID	Imanis Life Sciences, LLC	22-Aug-23
L-298-2019/0	NIAID	GlaxoSmithKline Intellectual Property Li	24-Aug-23
L-296-2023/0	Akin, Cem	Celldex Therapeutics Inc.	25-Aug-23
L-296-2023/0	Kirshenbaum, Arnold	Celldex Therapeutics Inc.	25-Aug-23
L-296-2023/0	Metcalfe, Dean D	Celldex Therapeutics Inc.	25-Aug-23
L-072-2009/1	Long, Eric O.	BioLegend	30-Aug-23
L-072-2009/1	Rajagopalan, Sumati	BioLegend	30-Aug-23
L-341-2017/1	Garboczi, David	Active Motif, Inc.	30-Aug-23
L-341-2017/1	Lantz, Larry	Active Motif, Inc.	30-Aug-23
L-341-2017/1	Leppla, Stephen H.	Active Motif, Inc.	30-Aug-23
L-341-2017/1	Leysath, Clinton E.	Active Motif, Inc.	30-Aug-23
L-341-2017/1	Phillips, Damilola D.	Active Motif, Inc.	30-Aug-23
L-157-2020/0	Germain, Ronald N.	Biolegend, Inc.	30-Aug-23
L-157-2020/0	Gerner, Michael Y	Biolegend, Inc.	30-Aug-23
L-157-2020/0	Li, Weizhe	Biolegend, Inc.	30-Aug-23
L-048-2023/0	Kirshenbaum, Arnold	Tufts University	30-Aug-23
L-048-2023/0	Metcalfe, Dean D	Tufts University	30-Aug-23
L-016-2017/2	Bennuru, Sasisekhar	Drugs & Diagnostics for Tropical Disease	31-Aug-23
L-016-2017/2	Fink, Doran	Drugs & Diagnostics for Tropical Disease	31-Aug-23
L-016-2017/2	Kubofcik, Joseph	Drugs & Diagnostics for Tropical Disease	31-Aug-23
L-016-2017/2	Nutman, Thomas B.	Drugs & Diagnostics for Tropical Disease	31-Aug-23
Note: L-016-2017/2 split between NIAID; NIDCR			
L-154-2022/0	Bennuru, Sasisekhar	Big Eye Diagnostics Inc	31-Aug-23
L-154-2022/0	Fink, Doran	Big Eye Diagnostics Inc	31-Aug-23
L-154-2022/0	Kubofcik, Joseph	Big Eye Diagnostics Inc	31-Aug-23
L-154-2022/0	Nutman, Thomas B.	Big Eye Diagnostics Inc	31-Aug-23
Note: L-154-2022/0 split between NIAID; NIDCR			
L-154-2022/0	NIAID	Big Eye Diagnostics Inc	31-Aug-23
Note: L-154-2022/0 split between NIAID; NIDCR			
L-049-2023/0	(b) (4)	Moderna TX, Inc.	31-Aug-23
L-049-2023/0		Moderna TX, Inc.	31-Aug-23

(b) (4), (b) (6)

(b) (4), (b) (6)

NIH Patent Licensing Activities
NIAID
September 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total September Income	License Cumulative Income	Inventor Awards September	Net Remaining to IC
L-170-1998/2	Conrad, John T.	(b) (4),	R-Biopharm AG	1-Sep-23						(b) (3) (A), (b) (4), (b) (6)
L-170-1998/2	Lujan, Hugo D	(b) (6)	R-Biopharm AG	1-Sep-23						
L-170-1998/2	Mowatt, Michael		R-Biopharm AG	1-Sep-23						
L-170-1998/2	Nash, Theodore		R-Biopharm AG	1-Sep-23						
L-023-2022/0	(b) (4)		Thermo Fisher Scientific	1-Sep-23						
L-023-2022/0			Thermo Fisher Scientific	1-Sep-23						
L-023-2022/0			Thermo Fisher Scientific	1-Sep-23						
L-106-2023/0	Baxa, Ulrich		Changchun BCHT Biotechnology Co.	1-Sep-23						
L-106-2023/0	Boyington, Jeffrey C.		Changchun BCHT Biotechnology Co.	1-Sep-23						
L-106-2023/0	Carey, Elizabeth		Changchun BCHT Biotechnology Co.	1-Sep-23						
L-106-2023/0	Chen, Lei		Changchun BCHT Biotechnology Co.	1-Sep-23						
L-106-2023/0	Chen, Man		Changchun BCHT Biotechnology Co.	1-Sep-23						
L-106-2023/0	Chen, Mingzong		Changchun BCHT Biotechnology Co.	1-Sep-23						
L-106-2023/0	Chen, Peifeng		Changchun BCHT Biotechnology Co.	1-Sep-23						
L-106-2023/0	Chuang, Gwo-Yu		Changchun BCHT Biotechnology Co.	1-Sep-23						
L-106-2023/0	Druz, Aliaksandr A.		Changchun BCHT Biotechnology Co.	1-Sep-23						
L-106-2023/0	Georgiev, Ivelin S.		Changchun BCHT Biotechnology Co.	1-Sep-23						
L-106-2023/0	Ghosh, Mridul K.		Changchun BCHT Biotechnology Co.	1-Sep-23						
L-106-2023/0	Gorman, Jason		Changchun BCHT Biotechnology Co.	1-Sep-23						
L-106-2023/0	Horwitz, Joseph		Changchun BCHT Biotechnology Co.	1-Sep-23						
L-106-2023/0	Kwong, Peter D.		Changchun BCHT Biotechnology Co.	1-Sep-23						
L-106-2023/0	McLellan, Jason Scott		Changchun BCHT Biotechnology Co.	1-Sep-23						
L-106-2023/0	Nagy, Attila		Changchun BCHT Biotechnology Co.	1-Sep-23						
L-106-2023/0	OFEK, GILAD A		Changchun BCHT Biotechnology Co.	1-Sep-23						
L-106-2023/0	Ou, Li		Changchun BCHT Biotechnology Co.	1-Sep-23						
L-106-2023/0	Pancera, Marie L.		Changchun BCHT Biotechnology Co.	1-Sep-23						
L-106-2023/0	Rundlet, Emily J.		Changchun BCHT Biotechnology Co.	1-Sep-23						
L-106-2023/0	Sastry, Mallika		Changchun BCHT Biotechnology Co.	1-Sep-23						
L-106-2023/0	Soto, Cinque		Changchun BCHT Biotechnology Co.	1-Sep-23						
L-106-2023/0	Srivatsan, Sanjay R.		Changchun BCHT Biotechnology Co.	1-Sep-23						
L-106-2023/0	Stewart-Jones, Guillaume B. E.		Changchun BCHT Biotechnology Co.	1-Sep-23						
L-106-2023/0	Thomas, Paul V.		Changchun BCHT Biotechnology Co.	1-Sep-23						
L-106-2023/0	Tsybovsky, Yaroslav		Changchun BCHT Biotechnology Co.	1-Sep-23						
L-106-2023/0	Van Galen, Joseph		Changchun BCHT Biotechnology Co.	1-Sep-23						
L-106-2023/0	YANG, YONGPING		Changchun BCHT Biotechnology Co.	1-Sep-23						
L-106-2023/0	Zhang, Baoshan		Changchun BCHT Biotechnology Co.	1-Sep-23						
L-106-2023/0	Zhou, Tongqing		Changchun BCHT Biotechnology Co.	1-Sep-23						
L-179-2020/0	(b) (4)		BioNTech AG	5-Sep-23						
L-179-2020/0			BioNTech AG	5-Sep-23						
L-179-2020/0			BioNTech AG	5-Sep-23						
L-145-2021/0	Pegu, Amarendra		BioNTech AG	5-Sep-23						
L-095-2022/0	Flynn, Barbara J.		BioNTech AG	5-Sep-23						
L-095-2022/0	Francica, Joseph Richard		BioNTech AG	5-Sep-23						

		(b) (4), (b) (6)							(b) (3) (A), (b) (4), (b) (6)
L-095-2022/0	Idris, Azza Hussein		BioNTech AG	5-Sep-23					
L-095-2022/0	Kisalu, Neville Kielau		BioNTech AG	5-Sep-23					
L-095-2022/0	Seder, Robert		BioNTech AG	5-Sep-23					
L-095-2022/0	Vistein, Rachel Marie		BioNTech AG	5-Sep-23					
L-095-2022/0	Wang, Lawrence Tsuchun		BioNTech AG	5-Sep-23					
L-101-1985/0	NIAID		ZOETIS	7-Sep-23					
		(b) (4), (b) (6)							
L-355-2023/0	Akin, Cem		Enveda Therapeutics, Inc.	7-Sep-23					
L-355-2023/0	Kirshenbaum, Arnold		Enveda Therapeutics, Inc.	7-Sep-23					
L-355-2023/0	Metcalfe, Dean D		Enveda Therapeutics, Inc.	7-Sep-23					
L-251-2020/0	(b) (4)		Remel Europe Limited	8-Sep-23					
L-251-2020/0			Remel Europe Limited	8-Sep-23					
L-251-2020/0			Remel Europe Limited	8-Sep-23					
L-078-2011/0	NIAID		CEVA Biomune	12-Sep-23					
		(b) (4), (b) (6)							
L-152-2019/1	Akin, Cem		Celltrion, Inc.	15-Sep-23					
L-152-2019/1	Kirshenbaum, Arnold		Celltrion, Inc.	15-Sep-23					
L-152-2019/1	Metcalfe, Dean D		Celltrion, Inc.	15-Sep-23					
L-170-1998/2	Conrad, John T.		R-Biopharm AG	19-Sep-23					
L-170-1998/2	Lujan, Hugo D		R-Biopharm AG	19-Sep-23					
L-170-1998/2	Mowatt, Michael		R-Biopharm AG	19-Sep-23					
L-170-1998/2	Nash, Theodore		R-Biopharm AG	19-Sep-23					
L-171-2022/0	Andrews, Sarah Faith		GlaxoSmithKline Biologicals SA	19-Sep-23					
L-171-2022/0	Bailer, Robert Thomas		GlaxoSmithKline Biologicals SA	19-Sep-23					
L-171-2022/0	Chuang, Gwo-Yu		GlaxoSmithKline Biologicals SA	19-Sep-23					
L-171-2022/0	Kwong, Peter D.		GlaxoSmithKline Biologicals SA	19-Sep-23					
L-171-2022/0	McDermott, Adrian B.		GlaxoSmithKline Biologicals SA	19-Sep-23					
L-171-2022/0	Thomas, Paul V.		GlaxoSmithKline Biologicals SA	19-Sep-23					
L-171-2022/0	Wheatley, Adam Kenneth		GlaxoSmithKline Biologicals SA	19-Sep-23					
L-171-2022/0	Whittle, James R R		GlaxoSmithKline Biologicals SA	19-Sep-23					
L-241-2013/0	Shevach, Ethan M		Tonbo Biotechnologies Corp	25-Sep-23					
L-079-2022/0	Germain, Ronald N.		EMD Millipore Corporation	26-Sep-23					
L-079-2022/0	Porgador, Angel		EMD Millipore Corporation	26-Sep-23					
L-151-2022/0	Leppla, Stephen H.		EMD Millipore Corporation	26-Sep-23					
L-162-2015/2	NIAID		Merck Sharp and dohme	28-Sep-23					
		(b) (4), (b) (6)							
L-376-2023/0	Bennuru, Sasisekhar		BIOASTER Technology Research Institute [	28-Sep-23					
L-376-2023/0	(b) (4)		BIOASTER Technology Research Institute [	28-Sep-23					
L-376-2023/0	Nutman, Thomas B.		BIOASTER Technology Research Institute [	28-Sep-23					
					$36,298,491.96	$157,414.36	$36,455,906.32	$22,150,379.80	$14,305,526.52

NIH Patent Licensing Activities
NIAMS
April 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total April Income	License Cumulative Income	Inventor Awards April	Net Remaining to IC
L-066-2005/1	Kinet, Jean-Pierre	(b) (4), (b)	President and Fellows of Harvard College	13-Apr-23						(b) (3) (A), (b) (4), (b) (6)
Note: L-066-2005/1 split between NIAMS; NIDCR										
L-243-2016/0	NIAMS		StemCell Technologies Inc.	27-Apr-23						
Note: L-243-2016/0 split between NHLBI; NIAMS										

NIH Patent Licensing Activities
NIAMS
May 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total May Income	License Cumulative Income	Inventor Awards May	Net Remaining to IC

NIH Patent Licensing Activities
NIAMS
June 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total June Income	License Cumulative Income	Inventor Awards June	Net Remaining to IC

NIH Patent Licensing Activities
NIAMS
July 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total July Income	License Cumulative Income	Inventor Awards July	Net Remaining to IC
L-216-2023/0	Casellas, Rafael Cristian	(b) (4),	AbCellera Biologics Inc.	11-Jul-23						(b) (3) (A), (b) (4), (b) (6)
L-216-2023/0	Xu, Jianliang	(b) (6)	AbCellera Biologics Inc.	11-Jul-23						
Note: L-216-2023/0 split between NCI; NIAMS										

NIH Patent Licensing Activities
NIAMS
August 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total August Income	License Cumulative Income	Inventor Awards August	Net Remaining to IC

NIH Patent Licensing Activities
NIAMS
September 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total September Income	License Cumulative Income	Inventor Awards September	Net Remaining to IC
					$73,201.65	$0.00	$73,201.65		$16,100.41	$57,101.24

NIH Patent Licensing Activities
NIBIB
April 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total April Income	License Cumulative Income	Inventor Awards April	Net Remaining to IC
L-214-2018/0	NIBIB		Yokogawa Electric Corporation	28-Apr-23						(b) (3) (A), (b) (4), (b) (6)

Note: L-214-2018/0 split between NHLBI; NIBIB

NIH Patent Licensing Activities
NIBIB
May 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total May Income	License Cumulative Income	Inventor Awards May	Net Remaining to IC

NIH Patent Licensing Activities
NIBIB
June 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total June Income	License Cumulative Income	Inventor Awards June	Net Remaining to IC
L-019-2008/0	Phillips, Terence M	(b) (4), (b) (6)	Institut Pasteur	2-Jun-23						(b) (3) (A), (b) (4), (b) (6)

Note: L-019-2008/0 split between FDA; NCI; NIAID; NIBIB; NIDDK

L-004-2019/0	NIBIB		Sinotau Pharmaceutical Group	13-Jun-23						

NIH Patent Licensing Activities
NIBIB
July 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total July Income	License Cumulative Income	Inventor Awards July	Net Remaining to IC
L-143-2023/0	Chen, Xiaoyuan	(b) (4), (b) (6)	Molecular Targeting Technologies, Inc	25-Jul-23						(b) (3) (A), (b) (4), (b) (6)
L-143-2023/0	Weiss, Orit Jacobson		Molecular Targeting Technologies, Inc	25-Jul-23						

NIH Patent Licensing Activities
NIBIB
August 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total August Income	License Cumulative Income	Inventor Awards August	Net Remaining to IC

NIH Patent Licensing Activities
NIBIB

September 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total September Income	License Cumulative Income	Inventor Awards September	Net Remaining to IC
					$109,129.13	$4,485.19	$113,614.32		$36,535.64	$77,078.68

NIH Patent Licensing Activities
NICHD
April 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total April Income	License Cumulative Income	Inventor Awards April	Net Remaining to IC
L-172-2019/0	Romero-Galue, Roberto Jose	(b) (4), (b) (6)	Genesis Theranostix Ltd.,	20-Apr-23						(b) (3) (A), (b) (4), (b) (6)

NIH Patent Licensing Activities
NICHD
May 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total May Income	License Cumulative Income	Inventor Awards May	Net Remaining to IC
L-132-2020/0	Dai, Lily Zhongdong	(b) (4), (b) (6)	Absolute Antibody Ltd.	19-May-23						(b) (3) (A), (b) (4), (b) (6)
L-132-2020/0	Kubler-Kielb, Joanna		Absolute Antibody Ltd.	19-May-23						
L-132-2020/0	Schneerson, Rachel		Absolute Antibody Ltd.	19-May-23						

Note: L-132-2020/0 split between NIAID; NICHD; NIDCR

NIH Patent Licensing Activities
NICHD
June 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total June Income	License Cumulative Income	Inventor Awards June	Net Remaining to IC

NIH Patent Licensing Activities
NICHD
July 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total July Income	License Cumulative Income	Inventor Awards July	Net Remaining to IC
L-153-2021/0	Lawson, Nathan	(b) (4), (b) (6)	Regeneron Pharmaceuticals, Inc.	3-Jul-23						(b) (3) (A), (b) (4), (b) (6)
L-153-2021/0	Weinstein, Brant		Regeneron Pharmaceuticals, Inc.	3-Jul-23						

NIH Patent Licensing Activities
NICHD
August 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total August Income	License Cumulative Income	Inventor Awards August	Net Remaining to IC
L-327-2023/0	Baron, Jeffrey	(b) (4), (b) (6)	Cavalry Biosciences, Inc.	23-Aug-23						(b) (3) (A), (b) (4), (b) (6)
L-327-2023/0	Cheung, Sao Fong (Crystal)		Cavalry Biosciences, Inc.	23-Aug-23						
L-327-2023/0	Lui, Chun Kin Julian		Cavalry Biosciences, Inc.	23-Aug-23						

Note: L-327-2023/0 split between NCI; NICHD

L-190-2022/0	Basser, Peter J	(b) (4), (b) (6)	Gold Standard Phantoms Limited	30-Aug-23	(b) (3) (A), (b) (4), (b) (6)
L-190-2022/0	Horkay, Ferenc		Gold Standard Phantoms Limited	30-Aug-23	
L-190-2022/0	Pierpaoli, Carlo		Gold Standard Phantoms Limited	30-Aug-23	

NIH Patent Licensing Activities
NICHD
September 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total September Income	License Cumulative Income	Inventor Awards September	Net Remaining to IC
L-166-2023/0	Rouault, Tracey	(b) (4), (b) (6)	Cajal Neuroscience, Inc.	18-Sep-23	(b) (3) (A), (b) (4), (b) (6)					
L-166-2023/0	Rouault, Tracey		Cajal Neuroscience, Inc.	18-Sep-23						
L-246-2023/0	NICHD		CaliberMRI, Inc.	26-Sep-23						
					$40,639.21	$1,000.00	$41,639.21		$12,805.95	$28,833.26

NIH Patent Licensing Activities
NIDA
April 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total April Income	License Cumulative Income	Inventor Awards April	Net Remaining to IC
L-070-2003/2	Wise, Roy A	(b) (4), (b) (6)	Brainsway, Inc.	18-Apr-23						(b) (3) (A), (b) (4), (b) (6)
L-070-2003/2	Zangen, Abraham		Brainsway, Inc.	18-Apr-23						
Note: L-070-2003/2 split between NIDA; NINDS										
L-162-2016/3	Rice, Kenner C.		nversago Pharma Inc.	18-Apr-23						
Note: L-162-2016/3 split between NIAAA; NIDA										

NIH Patent Licensing Activities
NIDA
May 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total May Income	License Cumulative Income	Inventor Awards May	Net Remaining to IC

NIH Patent Licensing Activities
NIDA
June 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total June Income	License Cumulative Income	Inventor Awards June	Net Remaining to IC

NIH Patent Licensing Activities
NIDA
July 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total July Income	License Cumulative Income	Inventor Awards July	Net Remaining to IC
L-162-2016/3	NIDA		Inversago Pharma Inc.	10-Jul-23						(b) (3) (A), (b) (4), (b) (6)
Note: L-162-2016/3 split between NIAAA; NIDA										
L-162-2016/3	Rice, Kenner C.	(b) (4), (b) (6)	nversago Pharma Inc.	10-Jul-23						
Note: L-162-2016/3 split between NIAAA; NIDA										
L-257-2019/0	NIDA		Inversago Pharma Inc	10-Jul-23						
Note: L-257-2019/0 split between NIAAA; NIDA										
L-257-2019/0	Rice, Kenner C.	(b) (4), (b) (6)	Inversago Pharma Inc	10-Jul-23						
Note: L-257-2019/0 split between NIAAA; NIDA										

NIH Patent Licensing Activities
NIDA
August 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total August Income	License Cumulative Income	Inventor Awards August	Net Remaining to IC
L-250-2018/1	NIDA		Hello Bio Ltd.	4-Aug-23					(b) (3) (A), (b) (4), (b) (6)	
Note: L-250-2018/1 split between NIDA; NINDS										
L-250-2018/1	Gomez, Juan Luis	(b) (4),	Hello Bio Ltd.	29-Aug-23						
L-250-2018/1	(b) (4)	(b) (6)	Hello Bio Ltd.	29-Aug-23						
L-250-2018/1	Michaelides, Michael		Hello Bio Ltd.	29-Aug-23						
L-250-2018/1	Morera, Jordi Bonaventura		Hello Bio Ltd.	29-Aug-23						
Note: L-250-2018/1 split between NIDA; NINDS										

NIH Patent Licensing Activities
NIDA
September 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total September Income	License Cumulative Income	Inventor Awards September	Net Remaining to IC
L-282-2018/0	Cheng, Kejun	(b) (4),	Walter Reed Army Institute of Research	8-Sep-23					(b) (3) (A), (b) (4), (b) (6)	
L-282-2018/0	Iyer, Malliga R.	(b) (6)	Walter Reed Army Institute of Research	8-Sep-23						
L-282-2018/0	Jacobson, Arthur E.		Walter Reed Army Institute of Research	8-Sep-23						
L-282-2018/0	Li, Fuying		Walter Reed Army Institute of Research	8-Sep-23						
L-282-2018/0	Rice, Kenner C.		Walter Reed Army Institute of Research	8-Sep-23						
					$102,264.50	$2,480.00	$104,744.50		$26,271.12	$78,473.38

NIH Patent Licensing Activities
NIDCD
April 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total April Income	License Cumulative Income	Inventor Awards April	Net Remaining to IC
L-084-2010/0	Drayna, Dennis T.	(b) (4),	Firmenich Inc.	4-Apr-23						(b) (3) (A), (b) (4), (b) (6)
L-084-2010/0	Kim, Un-kyung	(b) (6)	Firmenich Inc.	4-Apr-23						
L-084-2010/0	(b) (4)		Firmenich Inc.	4-Apr-23						

NIH Patent Licensing Activities
NIDCD
May 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total May Income	License Cumulative Income	Inventor Awards May	Net Remaining to IC
L-036-2020/0	Canseco De Kalinec, Gilda Mabel	(b) (4),	Regeneron Pharmaceuticals, Inc	19-May-23						(b) (3) (A), (b) (4), (b) (6)
L-036-2020/0	Kalinec, Federico	(b) (6)	Regeneron Pharmaceuticals, Inc	19-May-23						

NIH Patent Licensing Activities
NIDCD
June 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total June Income	License Cumulative Income	Inventor Awards June	Net Remaining to IC

NIH Patent Licensing Activities
NIDCD
July 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total July Income	License Cumulative Income	Inventor Awards July	Net Remaining to IC
L-016-2020/0	Canseco De Kalinec, Gilda Mabel	(b) (4),	Regeneron Pharmaceuticals, Inc	12-Jul-23						(b) (3) (A), (b) (4), (b) (6)
L-016-2020/0	Kalinec, Federico	(b) (6)	Regeneron Pharmaceuticals, Inc	12-Jul-23						

NIH Patent Licensing Activities
NIDCD
August 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total August Income	License Cumulative Income	Inventor Awards August	Net Remaining to IC
L-214-1992/8	RJ Wenthold, (b) (6)	(b) (4), (b) (6)	Millipore Sigma	18-Aug-23						(b) (3) (A), (b) (4), (b) (6)

NIH Patent Licensing Activities
NIDCD
September 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total September Income	License Cumulative Income	Inventor Awards September	Net Remaining to IC
					$41,524.41	$0.00	$41,524.41		$13,930.88	$27,593.53

NIH Patent Licensing Activities
NIDCR
April 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total April Income	License Cumulative Income	Inventor Awards April	Net Remaining to IC
L-066-2005/1	Siraganian, Reuben	(b) (4), (b) (6)	President and Fellows of Harvard College	13-Apr-23						(b) (3) (A), (b) (4), (b) (6)
Note: L-066-2005/1 split between NIAMS; NIDCR										

NIH Patent Licensing Activities
NIDCR
May 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total May Income	License Cumulative Income	Inventor Awards May	Net Remaining to IC
L-024-2017/2	Fisher, Larry	(b) (4), (b) (6)	KeraFAST	11-May-23						(b) (3) (A), (b) (4), (b) (6)
L-152-2017/0	Akiyama, Steven		Millipore Sigma	17-May-23						
L-152-2017/0	Yamada, Kenneth		Millipore Sigma	17-May-23						
L-152-2017/0	Yamada, Susan Sleeper		Millipore Sigma	17-May-23						
L-132-2020/0	Moayeri, Mahtab		Absolute Antibody Ltd.	19-May-23						
Note: L-132-2020/0 split between NIAID; NICHD; NIDCR										

NIH Patent Licensing Activities
NIDCR
June 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total June Income	License Cumulative Income	Inventor Awards June	Net Remaining to IC
L-078-2015/0	Chiorini, John A.	(b) (4), (b) (6)	Spark Therapeutics, Inc.	20-Jun-23						(b) (3) (A), (b) (4), (b) (6)
L-078-2015/0	Kaludov, Nikola		Spark Therapeutics, Inc.	20-Jun-23						
L-072-2010/0	Gronthos, Stan		Mesoblast Inc.	23-Jun-23						
L-072-2010/0	Miura, Masako		Mesoblast Inc.	23-Jun-23						
L-072-2010/0	Robey, Pamela G.		Mesoblast Inc.	23-Jun-23						
L-072-2010/0	Seo, Byoung-Moo		Mesoblast Inc.	23-Jun-23						
L-072-2010/0	Shi, Songtao		Mesoblast Inc.	23-Jun-23						

NIH Patent Licensing Activities
NIDCR
July 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total July Income	License Cumulative Income	Inventor Awards July	Net Remaining to IC
L-115-2020/1	NIDCR		Kri?a Therapeutics, Inc.	3-Jul-23						(b) (3) (A), (b) (4), (b) (6)
L-074-2021/1	Chiorini, John A.	(b) (4), (b) (6)	Atsena Therapeutics, Inc	31-Jul-23						
L-074-2021/1	Pasquale, Giovanni Di		Atsena Therapeutics, Inc	31-Jul-23						

NIH Patent Licensing Activities
NIDCR
August 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total August Income	License Cumulative Income	Inventor Awards August	Net Remaining to IC
L-115-2000/2	Leppla, Stephen H.	(b) (4), (b) (6)	List Biological Laboratories, Inc.	2-Aug-23					(b) (3) (A), (b) (4), (b) (6)	
Note: L-115-2000/2 split between NIAID; NIDCR										
L-154-2022/1	Burbelo, Peter D.		Big Eye Diagnostics, Inc.	17-Aug-23						
Note: L-154-2022/1 split between NIAID; NIDCR										
L-152-2017/0	Akiyama, Steven		Millipore Sigma	18-Aug-23						
L-152-2017/0	Yamada, Kenneth		Millipore Sigma	18-Aug-23						
L-152-2017/0	Yamada, Susan Sleeper		Millipore Sigma	18-Aug-23						
L-078-2015/0	Chiorini, John A.		Spark Therapeutics, Inc.	23-Aug-23						
L-078-2015/0	Kaludov, Nikola		Spark Therapeutics, Inc.	23-Aug-23						
L-016-2017/2	Burbelo, Peter D.		Drugs & Diagnostics for Tropical Disease	31-Aug-23						
Note: L-016-2017/2 split between NIAID; NIDCR										
L-154-2022/0	Burbelo, Peter D.		Big Eye Diagnostics Inc	31-Aug-23						
Note: L-154-2022/0 split between NIAID; NIDCR										
L-154-2022/0	NIDCR		Big Eye Diagnostics Inc	31-Aug-23						
Note: L-154-2022/0 split between NIAID; NIDCR										

NIH Patent Licensing Activities
NIDCR
September 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total September Income	License Cumulative Income	Inventor Awards September	Net Remaining to IC
L-305-2023/0	Chiorini, John A.	(b) (4), (b) (6)	Shape Therapeutics Inc.	7-Sep-23					(b) (3) (A), (b) (4), (b) (6)	
L-305-2023/0	(b) (4)		Shape Therapeutics Inc.	7-Sep-23						
L-305-2023/0	Wainer, Sandra		Shape Therapeutics Inc.	7-Sep-23						
L-305-2023/0	NIDCR		Shape Therapeutics Inc.	7-Sep-23						
L-048-2003/1	NIDCR		Lees Pharmaceutical (HK) LTD	20-Sep-23						
					$140,897.63	$15,246.51	$156,144.14		$39,822.49	$116,321.65

NIH Patent Licensing Activities
NIDDK
April 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total April Income	License Cumulative Income	Inventor Awards April	Net Remaining to IC
L-283-2017/0	Jacobson, Kenneth A	(b) (4), (b) (6)	Tocris Cookson Ltd.	4-Apr-23						(b) (3) (A), (b) (4), (b) (6)
L-283-2017/0	Tosh, Dilip K.		Tocris Cookson Ltd.	4-Apr-23						

NIH Patent Licensing Activities
NIDDK
May 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total May Income	License Cumulative Income	Inventor Awards May	Net Remaining to IC

NIH Patent Licensing Activities
NIDDK
June 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total June Income	License Cumulative Income	Inventor Awards June	Net Remaining to IC
L-019-2008/0	Kopp, Jeffrey B	(b) (4),	nstitut Pasteur	2-Jun-23						(b) (3) (A), (b) (4), (b) (6)

Note: L-019-2008/0 split between FDA; NCI; NIAID; NIBIB; NIDDK

NIH Patent Licensing Activities
NIDDK
July 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total July Income	License Cumulative Income	Inventor Awards July	Net Remaining to IC
L-155-2007/2	Daly, John W	(b) (4), (b) (6)	atoxan S.A.S.	3-Jul-23						(b) (3) (A), (b) (4), (b) (6)
L-339-2017/0	Appella, Daniel H		Altra Tech Ltd	10-Jul-23						
L-339-2017/0	Englund, Ethan A.		Altra Tech Ltd	10-Jul-23						
L-339-2017/0	Micklitsch, Christopher		Altra Tech Ltd	10-Jul-23						
L-339-2017/0	Wang, Deyun		Altra Tech Ltd	10-Jul-23						
L-339-2017/0	Yemane, Bereket		Altra Tech Ltd	10-Jul-23						
L-339-2017/0	Zhang, Ning		Altra Tech Ltd	10-Jul-23						
L-339-2017/0	Zhao, Chao		Altra Tech Ltd	10-Jul-23						
L-159-2007/2	NIDDK		Hope Pharmaceuticals	21-Jul-23						

Note: L-159-2007/2 split between CC; NHLBI; NIDDK; NINDS

L-240-2023/0	Bernstein, Harris D.	(b) (4), (b) (6)	Merck & Company	26-Jul-23						
L-240-2023/0	Peterson, Janine Hyndman		Merck & Company	26-Jul-23						
L-240-2023/0	Roman-Hernandez, Giselle		Merck & Company	26-Jul-23						

NIH Patent Licensing Activities
NIDDK
August 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total August Income	License Cumulative Income	Inventor Awards August	Net Remaining to IC
L-075-2017/1	NIDDK		BioIntervene Inc.	8-Aug-23						(b) (3) (A), (b) (4), (b) (6)
L-075-2017/1	NIDDK		BioIntervene Inc.	10-Aug-23						
L-075-2017/1	NIDDK		BioIntervene Inc.	10-Aug-23						
L-149-2017/0	Oral, Elif A.	(b) (4),	Aegerion Pha rmaceuticals, Inc.	15-Aug-23						
L-149-2017/0	Taylor, Simeon	(b) (6)	Aegerion Pha rmaceuticals, Inc.	15-Aug-23						

NIH Patent Licensing Activities
NIDDK
September 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total September Income	License Cumulative Income	Inventor Awards September	Net Remaining to IC
					$180,625.19	$58,646.68	$239,271.87		$56,054.43	$183,217.44

NIH Patent Licensing Activities
NIEHS
April 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total April Income	License Cumulative Income	Inventor Awards April	Net Remaining to IC
L-063-1993/2	Eddy, Edward	(b) (4), (b) (6)	ThermoFisher Scientific	4-Apr-23						(b) (3) (A), (b) (4), (b) (6)

NIH Patent Licensing Activities
NIEHS
May 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total May Income	License Cumulative Income	Inventor Awards May	Net Remaining to IC
L-244-2016/1	(b) (4)	(b) (4), (b) (6)	Sumitomo Pharmaceuticals	1-May-23						(b) (3) (A), (b) (4), (b) (6)
L-244-2016/1	Moore, Rickie		Sumitomo Pharmaceuticals	1-May-23						
L-244-2016/1	Negishi, Masahiko		Sumitomo Pharmaceuticals	1-May-23						

NIH Patent Licensing Activities
NIEHS
June 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total June Income	License Cumulative Income	Inventor Awards June	Net Remaining to IC

NIH Patent Licensing Activities
NIEHS
July 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total July Income	License Cumulative Income	Inventor Awards July	Net Remaining to IC

NIH Patent Licensing Activities
NIEHS
August 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total August Income	License Cumulative Income	Inventor Awards August	Net Remaining to IC

NIH Patent Licensing Activities
NIEHS
September 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total September Income	License Cumulative Income	Inventor Awards September	Net Remaining to IC
L-063-1993/2	Eddy, Edward	(b) (4), (b) (6)	ThermoFisher Scientific	21-Sep-23						(b) (3) (A), (b) (4), (b) (6)

NIH Patent Licensing Activities
NIMH
April 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total April Income	License Cumulative Income	Inventor Awards April	Net Remaining to IC
L-025-2017/1	NIMH		Tocris Bioscience	4-Apr-23						(b) (3) (A), (b) (4), (b) (6)
Note: L-025-2017/1 split between NCATS; NIA; NIMH										
L-261-2016/0	Eiden, Maribeth V.	(b) (4), (b) (6)	Fred Hutchinson Cancer Research Center	13-Apr-23						
L-261-2016/0	Wilson, Carolyn A.		Fred Hutchinson Cancer Research Center	13-Apr-23						
L-064-2010/1	Hu, Huaizhong		Angimmune LLC	17-Apr-23						
L-064-2010/1	Liu, Yuan Yi		Angimmune LLC	17-Apr-23						
L-064-2010/1	Ma, Shenglin		Angimmune LLC	17-Apr-23						
L-064-2010/1	Neville, (b) (6) David		Angimmune LLC	17-Apr-23						
L-064-2010/1	Scharff, Joshua		Angimmune LLC	17-Apr-23						
L-064-2010/1	Thompson, Jerry		Angimmune LLC	17-Apr-23						
L-064-2010/1	(b) (4)		Angimmune LLC	17-Apr-23						
L-064-2010/1			Angimmune LLC	17-Apr-23						
L-064-2010/1	Woo, Jung-Hee		Angimmune LLC	17-Apr-23						
L-064-2010/1	NIMH		Angimmune LLC	17-Apr-23						
L-064-2010/1	NIMH		Angimmune LLC	17-Apr-23						
L-313-2014/0	Hu, Huaizhong	(b) (4), (b) (6)	Angimmune LLC	17-Apr-23						
L-313-2014/0	Ma, Shenglin		Angimmune LLC	17-Apr-23						
L-313-2014/0	Neville, (b) (6) David		Angimmune LLC	17-Apr-23						
L-313-2014/0	Scharff, Joshua		Angimmune LLC	17-Apr-23						
L-313-2014/0	Thompson, Jerry		Angimmune LLC	17-Apr-23						
L-313-2014/0	(b) (4)		Angimmune LLC	17-Apr-23						
L-313-2014/0			Angimmune LLC	17-Apr-23						
L-313-2014/0	Woo, Jung-Hee		Angimmune LLC	17-Apr-23						

NIH Patent Licensing Activities
NIMH
May 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total May Income	License Cumulative Income	Inventor Awards May	Net Remaining to IC

NIH Patent Licensing Activities
NIMH
June 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total June Income	License Cumulative Income	Inventor Awards June	Net Remaining to IC
L-064-2010/1	Hu, Huaizhong	(b) (4), (b) (6)	Angimmune LLC	6-Jun-23						(b) (3) (A), (b) (4), (b) (6)
L-064-2010/1	Liu, Yuan Yi		Angimmune LLC	6-Jun-23						
L-064-2010/1	Ma, Shenglin		Angimmune LLC	6-Jun-23						

L-064-2010/1	Neville, (b) (6) David	(b) (4), (b) (6)	Angimmune LLC	6-Jun-23	(b) (3) (A), (b) (4), (b) (6)
L-064-2010/1	Scharff, Joshua		Angimmune LLC	6-Jun-23	
L-064-2010/1	Thompson, Jerry		Angimmune LLC	6-Jun-23	
L-064-2010/1	(b) (4)		Angimmune LLC	6-Jun-23	
L-064-2010/1			Angimmune LLC	6-Jun-23	
L-064-2010/1	Woo, Jung-Hee		Angimmune LLC	6-Jun-23	
L-018-2010/0	Manji, Husseini K.		Mount Sinai Med Cntr	26-Jun-23	
L-018-2010/0	Zarate, Carlos A.		Mount Sinai Med Cntr	26-Jun-23	

NIH Patent Licensing Activities
NIMH
July 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total July Income	License Cumulative Income	Inventor Awards July	Net Remaining to IC
L-026-2019/0	Swedo, Susan E.	(b) (4), (b) (6)	Board of Regents of the University of Ok	5-Jul-23						(b) (3) (A), (b) (4), (b) (6)
L-261-2016/0	Eiden, Maribeth V.		Fred Hutchinson Cancer Research Center	18-Jul-23						
L-261-2016/0	Wilson, Carolyn A.		Fred Hutchinson Cancer Research Center	18-Jul-23						
L-167-1993/0	Bonner, Tom I		Eurofins Panlabs, Inc.	20-Jul-23						
L-167-1993/0	Brownstein, Michael J.		Eurofins Panlabs, Inc.	20-Jul-23						
L-167-1993/0	Matsuda, Lisa A.		Eurofins Panlabs, Inc.	20-Jul-23						

NIH Patent Licensing Activities
NIMH
August 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total August Income	License Cumulative Income	Inventor Awards August	Net Remaining to IC

NIH Patent Licensing Activities
NIMH
September 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total September Income	License Cumulative Income	Inventor Awards September	Net Remaining to IC
L-025-2017/1	NIMH		Tocris Bioscience	19-Sep-23						(b) (3) (A), (b) (4), (b) (6)
					$1,068,512.48	$41,700.00	$1,110,212.48		$262,757.09	$847,455.39

Note: L-025-2017/1 split between NCATS; NIA; NIMH

NIH Patent Licensing Activities
NINDS
April 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total April Income	License Cumulative Income	Inventor Awards April	Net Remaining to IC
L-070-2003/2	Hallett, Mark	(b) (4), (b) (6)	Brainsway, Inc.	18-Apr-23						(b) (3) (A), (b) (4), (b) (6)
L-070-2003/2	Miranda, Pedro		Brainsway, Inc.	18-Apr-23						
L-070-2003/2	Roth, Yiftach		Brainsway, Inc.	18-Apr-23						
Note: L-070-2003/2 split between NIDA; NINDS										
L-007-2019/0	Hsu, Yi-Te		Abcam plc	27-Apr-23						
L-007-2019/0	Youle, Richard J.		Abcam plc	27-Apr-23						

NIH Patent Licensing Activities
NINDS
May 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total May Income	License Cumulative Income	Inventor Awards May	Net Remaining to IC
L-133-2021/1	Bharti, Kapil	(b) (4), (b) (6)	AbbVie, Inc.	16-May-23						(b) (3) (A), (b) (4), (b) (6)
Note: L-133-2021/1 split between NEI; NINDS										
L-185-2004/1	Hou, Jean		Nordic-Mubio	19-May-23						
L-185-2004/1	Major, Eugene O		Nordic-Mubio	19-May-23						
L-185-2004/1	Messam, Conrad A.		Nordic-Mubio	19-May-23						

NIH Patent Licensing Activities
NINDS
June 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total June Income	License Cumulative Income	Inventor Awards June	Net Remaining to IC

NIH Patent Licensing Activities
NINDS
July 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total July Income	License Cumulative Income	Inventor Awards July	Net Remaining to IC
L-214-1994/0	Brann, (b) (6) Mark R	(b) (4), (b) (6)	Eurofins Panlabs, Inc.	20-Jul-23						(b) (3) (A), (b) (4), (b) (6)
L-214-1994/0	Stormann, Thomas M.		Eurofins Panlabs, Inc.	20-Jul-23						
L-136-1995/0	Hamblin, Mark		Eurofins Panlabs, Inc.	20-Jul-23						

L-136-1995/0	Sibley, David R.	(b) (4), (b) (6)	Eurofins Panlabs, Inc.	20-Jul-23	(b) (3) (A), (b) (4), (b) (6)
L-159-2007/2	NINDS		Hope Pharmaceuticals	21-Jul-23	
Note: L-159-2007/2 split between CC; NHLBI; NIDDK; NINDS					
L-007-2019/0	Hsu, Yi-Te	(b) (4), (b) (6)	Abcam plc	28-Jul-23	
L-007-2019/0	Youle, Richard J.		Abcam plc	28-Jul-23	

NIH Patent Licensing Activities
NINDS
August 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total August Income	License Cumulative Income	Inventor Awards August	Net Remaining to IC
L-250-2018/1	NINDS		Hello Bio Ltd.	4-Aug-23	(b) (3) (A), (b) (4), (b) (6)					
Note: L-250-2018/1 split between NIDA; NINDS										
L-236-2017/0	Biddison, William E	(b) (4), (b) (6)	Absolute Antibody Ltd.	23-Aug-23						
Note: L-236-2017/0 split between NCI; NINDS										
L-250-2018/1	Sanchez Soto, Marta		Hello Bio Ltd.	29-Aug-23						
Note: L-250-2018/1 split between NIDA; NINDS										

NIH Patent Licensing Activities
NINDS
September 2023

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total September Income	License Cumulative Income	Inventor Awards September	Net Remaining to IC
L-092-2017/0	NINDS		Cogentis Therpeutics	22-Sep-23	(b) (3) (A), (b) (4), (b) (6)					
					$463,525.30	$1,254.08	$464,779.38		$112,765.82	$352,013.56