

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT8242229

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
STRIDEBIO, INC.	04/03/2023
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	GINKGO BIOWORKS, INC.
<b>Street Address:</b>	27 DRYDOCK AVENUE, 8TH FLOOR
<b>City:</b>	BOSTON
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	02210-2600
<b>PROPERTY NUMBERS Total: 3</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	18372823
<b>Application Number:</b>	18372334
<b>Application Number:</b>	18372833
<b>CORRESPONDENCE DATA</b>	
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<b>Email:</b>	patentdocketing@foleyhoag.com, oquiterio@foleyhoag.com
<b>Correspondent Name:</b>	FOLEY HOAG LLP
<b>Address Line 1:</b>	155 SEAPORT BOULEVARD
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<b>ATTORNEY DOCKET NUMBER:</b>	GSB-00602, -00802, -01302
<b>NAME OF SUBMITTER:</b>	OLIVIA QUITERIO
<b>SIGNATURE:</b>	/Olivia Quiterio/
<b>DATE SIGNED:</b>	10/26/2023
<b>Total Attachments: 12</b>	
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## PATENT ASSIGNMENT

This Patent Assignment (“**Patent Assignment**”), dated as of April 3, 2023, is made by StrideBio, Inc., a Delaware corporation (“**Assignor**”), in favor of Ginkgo Bioworks, Inc., a Delaware corporation (“**Assignee**”), as the transferee of certain intellectual property assets of Assignor pursuant to the Asset Purchase Agreement between Assignor and Assignee dated as of the date hereof (the “**Asset Purchase Agreement**”).

WHEREAS, under the terms of the Asset Purchase Agreement, Assignor has conveyed, transferred and assigned to Assignee, among other assets, Assignor’s right, title and interest in and to the patents and patent applications set forth on Schedule 1 hereto to Assignee, and has agreed to execute and deliver this Patent Assignment, for recording with the United States Patent and Trademark Office and corresponding entities or agencies in any applicable jurisdictions.

NOW THEREFORE, in consideration of the foregoing and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties agree as follows:

1. **Assignment.** Assignor hereby irrevocably sells, conveys, transfers, and assigns to Assignee, and Assignee hereby accepts, all of Assignor’s right, title, and interest in and to the following free and clear of all Liens other than Permitted Liens (collectively, the “**Assigned Patents**”):

(a) the patents and patent applications set forth on Schedule 1 hereto and all issuances, divisions, continuations, continuations-in-part, reissues, extensions, reexaminations, and renewals thereof (the “**Patents**”);

(b) all rights of any kind whatsoever of Assignor accruing under any of the foregoing provided by applicable law of any jurisdiction including all rights to apply for registration in foreign countries, by international treaties and conventions, or otherwise throughout the world;

(c) any and all royalties, fees, income, payments, and other proceeds now or hereafter due or payable with respect to any and all of the foregoing; and

(d) any and all claims and causes of action in law or equity with respect to any of the foregoing, whether accruing before, on, or after the date hereof, including all rights to and claims for damages recoverable, restitution, and injunctive and other legal and equitable relief that Assignor has or may have in profits and damages for past, present, and future infringement, dilution, misappropriation, violation, misuse, breach, or default, with the right but no obligation to sue for such legal and equitable relief and to collect, or otherwise recover, any such damages.

2. **Recordation and Further Actions.** Assignor hereby authorizes the Commissioner for Patents in the United States Patent and Trademark Office and the officials of corresponding entities or agencies in any applicable jurisdictions to record and register this Patent Assignment upon request by Assignee. Following the date hereof, upon Assignee’s reasonable request, Assignor shall take such steps and actions, and provide such cooperation and

assistance to Assignee and its successors, assigns, and legal representatives, including the execution and delivery of any affidavits, declarations, oaths, exhibits, assignments, powers of attorney, or other documents, as may be reasonably necessary to effect, evidence, or perfect the assignment of the Assigned Patents to Assignee, or any assignee or successor thereto.

3. **Terms of the Asset Purchase Agreement.** The parties hereto acknowledge and agree that this Patent Assignment is entered into pursuant to the Asset Purchase Agreement, to which reference is made for a further statement of the rights and obligations of Assignor and Assignee with respect to the Assigned Patents. In the event of any conflict or inconsistency between the terms of the Asset Purchase Agreement and the terms in this Patent Assignment, the terms of the Asset Purchase Agreement shall govern. Capitalized terms used herein without definition shall have the meanings set forth in the Asset Purchase Agreement.

4. **Counterparts.** This Patent Assignment may be executed in counterparts, each of which shall be deemed an original, but all of which together shall be deemed one and the same agreement. A signed copy of this Patent Assignment delivered by facsimile, e-mail, or other means of electronic transmission shall be deemed to have the same legal effect as delivery of an original signed copy of this Patent Assignment.

5. **Successors and Assigns.** This Patent Assignment shall be binding upon and shall inure to the benefit of the parties hereto and their respective successors and assigns.

6. **Governing Law.** This Patent Assignment and any claim, controversy, dispute, or cause of action (whether in contract, tort or otherwise) based upon, arising out of, or relating to this Patent Assignment and the transactions contemplated hereby shall be governed by, and construed in accordance with, the laws of the United States and the State of Delaware, without giving effect to any choice or conflict of law provision or rule.

[SIGNATURE PAGE FOLLOWS]

IN WITNESS WHEREOF, Assignor has duly executed and delivered this Patent Assignment as of the date first above written.

**StrideBio, Inc.**

DocuSigned by:  
Signature: Ariane Cayrol  
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Name and Title: Ariane Cayrol, President

Date: April 3, 2023

AGREED TO AND ACCEPTED:

**Ginkgo Bioworks, Inc.**

Signature: \_\_\_\_\_

Name and Title: \_\_\_\_\_

Date: \_\_\_\_\_

:

IN WITNESS WHEREOF, Assignor has duly executed and delivered this Patent Assignment as of the date first above written.

**StrideBio, Inc.**

Signature: \_\_\_\_\_

Name and Title: \_\_\_\_\_

Date: \_\_\_\_\_

AGREED TO AND ACCEPTED:

**Ginkgo Bioworks, Inc.**

Signature:  \_\_\_\_\_

Name and Title: Jason Kelly, Chief Executive Officer

Date: April 3, 2023 \_\_\_\_\_

**SCHEDULE 1**

See attached.

Transferred/Assigned IP (Ginkgo Schedule)  
 StrideBio-owned IP

Cooley Docket No.	Client- Matter	Country	Inventors	Owner	Application No.	Application Date	Earliest Priority Date	Publication No.	Publication Date	Registration No.	Registration Date	Case Status
<b>TITLE: ANTIBODY-EXAMING VIRUS VECTORS</b>												
STRD-006000US	331943-2013	United States of America	MCCOY, DanielBERRY, Garrell E	StrideBio, Inc	62662, 111	4/3/2018	4/3/2018					Expired
STRD-006010US	331943-2036	United States of America	MCCOY, DanielBERRY, Garrell E	StrideBio, Inc	62776, 814	12/7/2018	12/7/2018					Expired
STRD-006020US	331943-2041	United States of America	BERRY, Garrell E, MCCOY, Daniel	StrideBio, Inc	62819, 388	3/15/2019	3/15/2019					Expired
STRD-006030WO	331943-2044	Patent Cooperation Treaty	MCCOY, DanielBERRY, Garrell E	StrideBio, Inc	PCT/US2019/025617	4/3/2019	4/3/2018	W/O 2019/195449	10/10/2019			Expired
STRD-006030AU	331943-2104	Australia	MCCOY, DanielBERRY, Garrell E	StrideBio, Inc	2019247748	4/3/2019	4/3/2018					Pending
STRD-006030BR	331943-2105	Brazil	MCCOY, DanielBERRY, Garrell E	StrideBio, Inc	1120200202665	4/3/2019	4/3/2018	BR 11 2020 020266-5 A2	1/19/2021			Published
STRD-006030CA	331943-2106	Canada	MCCOY, DanielBERRY, Garrell E	StrideBio, Inc	3094311	4/3/2019	4/3/2018					Pending
STRD-006030CN	331943-2107	China	MCCOY, DanielBERRY, Garrell E	StrideBio, Inc	201980035044.9	4/3/2019	4/3/2018	CN112272672A	1/26/2021			Published
STRD-006030EA	331943-2108	Eurasian Patent Organization	MCCOY, DanielBERRY, Garrell E	StrideBio, Inc	2020292363	4/3/2019	4/3/2018					Pending
STRD-006030EP	331943-2109	European Patent Office	MCCOY, DanielBERRY, Garrell E	StrideBio, Inc	19720005.8	4/3/2019	4/3/2018	3774854	2/17/2021			Published
STRD-006030IL	331943-2110	Israel	MCCOY, DanielBERRY, Garrell E	StrideBio, Inc	277664	4/3/2019	4/3/2018	1ba	11/30/2020			Published
STRD-006030IN	331943-2111	India	MCCOY, DanielBERRY, Garrell E	StrideBio, Inc	202047047458	4/3/2019	4/3/2018	45/2020	11/6/2020			Published
STRD-006030JP	331943-2112	Japan	MCCOY, DanielBERRY, Garrell E	StrideBio, Inc	2020-552403	4/3/2019	4/3/2018					Pending
STRD-006030KR	331943-2113	Republic of Korea	MCCOY, DanielBERRY, Garrell E	StrideBio, Inc	10-2020-7031763	4/3/2019	4/3/2018					Pending
STRD-006030MX	331943-2114	Mexico	MCCOY, DanielBERRY, Garrell E	StrideBio, Inc	MX/622020/010464	4/3/2019	4/3/2018					Pending
STRD-006030NZ	331943-2115	New Zealand	MCCOY, DanielBERRY, Garrell E	StrideBio, Inc	768044	4/3/2019	4/3/2018					Pending
STRD-006030SG	331943-2116	Singapore	MCCOY, DanielBERRY, Garrell E	StrideBio, Inc	11202009452W	4/3/2019	4/3/2018					Pending
STRD-006030US	331943-2117	United States of America	MCCOY, DanielBERRY, Garrell E	StrideBio, Inc	17/045, 091	4/3/2019	4/3/2018	US 2021-0363191 A1	11/25/2021			Published
STRD-006030ZA	331943-2118	South Africa	MCCOY, DanielBERRY, Garrell E	StrideBio, Inc	202005725	4/3/2019	4/3/2018					Pending
STRD-006030HK	331943-2217	Hong Kong	MCCOY, DanielBERRY, Garrell E	StrideBio, Inc	62021035152.9	4/3/2019	4/3/2018	40045621	10/22/2021			Published
<b>TITLE: VIRUS VECTORS FOR TARGETING CHITINASE TISSUES</b>												
STRD-007000US	331943-2014	United States of America	MCCOY, DanielBERRY, Garrell E	StrideBio, Inc	62662, 108	4/3/2018	4/3/2018					Expired
STRD-007010WO	331943-2046	Patent Cooperation Treaty	MCCOY, DanielBERRY, Garrell E	StrideBio, Inc	PCT/US2019/025584	4/3/2019	4/3/2018	W/O 2019/195423	10/10/2019			Expired
STRD-007010AU	331943-2119	Australia	MCCOY, DanielBERRY, Garrell E	StrideBio, Inc	2019247191	4/3/2019	4/3/2018					Pending
STRD-007010BR	331943-2120	Brazil	MCCOY, DanielBERRY, Garrell E	StrideBio, Inc	1120200203416	4/3/2019	4/3/2018					Pending
STRD-007010CA	331943-2121	Canada	MCCOY, DanielBERRY, Garrell E	StrideBio, Inc	3094465	4/3/2019	4/3/2018					Pending



Case No.	Client Matter	Country	Inventors	Owner	Application No.	Application Date	Earliest Priority Date	Publication No.	Publication Date	Registration No.	Registration Date	Case Status
STRD-0070101CN	331943-2122	China	MCCOY, DanielBERRY, Garratt E	SlideBio, Inc	201906035122.5	4/3/2019	4/3/2018	CN 112533944 A	3/19/2021			Published
STRD-0070101EA	331943-2123	Eurasian Patent Organization	MCCOY, DanielBERRY, Garratt E	SlideBio, Inc	202092362	4/3/2019	4/3/2018					Pending
STRD-0070101EP	331943-2124	European Patent Office	MCCOY, DanielBERRY, Garratt E	SlideBio, Inc	19721906.6	4/3/2019	4/3/2018	3773743	2/17/2021			Published
STRD-0070101IN	331943-2125	India	MCCOY, DanielBERRY, Garratt E	SlideBio, Inc	202047047639	4/3/2019	4/3/2018	45/2020	11/6/2020			Published
STRD-0070101IL	331943-2126	Israel	MCCOY, DanielBERRY, Garratt E	SlideBio, Inc	27767	4/3/2019	4/3/2018	lba	11/30/2020			Published
STRD-0070101JP	331943-2127	Japan	MCCOY, DanielBERRY, Garratt E	SlideBio, Inc	2020-552312	4/3/2019	4/3/2018					Pending
STRD-0070101KR	331943-2128	Republic of Korea	MCCOY, DanielBERRY, Garratt E	SlideBio, Inc	10-2020-7031764	4/3/2019	4/3/2018					Pending
STRD-0070101MX	331943-2129	Mexico	MCCOY, DanielBERRY, Garratt E	SlideBio, Inc	MX/A/2020/010465	4/3/2019	4/3/2018					Pending
STRD-0070101NZ	331943-2130	New Zealand	MCCOY, DanielBERRY, Garratt E	SlideBio, Inc	768173	4/3/2019	4/3/2018					Pending
STRD-0070101SG	331943-2131	Singapore	MCCOY, DanielBERRY, Garratt E	SlideBio, Inc	112020094505	4/3/2019	4/3/2018					Pending
STRD-0070101ZA	331943-2132	South Africa	MCCOY, DanielBERRY, Garratt E	SlideBio, Inc	2020/05908	4/3/2019	4/3/2018					Pending
STRD-0070101US	331943-2133	United States of America	MCCOY, DanielBERRY, Garratt E	SlideBio, Inc	17/045,087	4/3/2019	4/3/2018	US 2021-0371469 A1	12/2/2021			Published
STRD-0070101HK	331943-2219	Hong Kong	MCCOY, DanielBERRY, Garratt E	SlideBio, Inc	62021035352.5	4/3/2019	4/3/2018	40049445	12/17/2021			Published
<b>TITLE: ANTIBODY-EVADING VIRUS VECTORS</b>												
STRD-0090000US	331943-2015	United States of America	MCCOY, DanielBERRY, Garratt E	SlideBio, Inc	62662,103	4/3/2018	4/3/2018					Expired
STRD-0090101US	331943-2034	United States of America	MCCOY, DanielBERRY, Garratt E	SlideBio, Inc	62770,240	11/21/2018	11/21/2018					Expired
STRD-0090202US	331943-2037	United States of America	MCCOY, DanielBERRY, Garratt E	SlideBio, Inc	62776,793	12/7/2018	12/7/2018					Expired
STRD-0090303US	331943-2040	United States of America	MCCOY, DanielBERRY, Garratt E	SlideBio, Inc	62619,389	3/15/2019	3/15/2019					Expired
STRD-0090404WO	331943-2045	Treaty Cooperation	MCCOY, DanielBERRY, Garratt E	SlideBio, Inc	PCT/US2019/025610	4/3/2019	4/3/2018	WVO 2019/195444	10/10/2019			Expired
STRD-0090404AU	331943-2134	Australia	MCCOY, DanielBERRY, Garratt E	SlideBio, Inc	2019247746	4/3/2019	4/3/2018					Pending
STRD-0090404BR	331943-2135	Brazil	MCCOY, DanielBERRY, Garratt E	SlideBio, Inc	112020201952	4/3/2019	4/3/2018					Pending
STRD-0090404CA	331943-2136	Canada	MCCOY, DanielBERRY, Garratt E	SlideBio, Inc	3095179	4/3/2019	4/3/2018					Pending
STRD-0090404CN	331943-2137	China	MCCOY, DanielBERRY, Garratt E	SlideBio, Inc	201906035057.6	4/3/2019	4/3/2018	CN 112543766 A	3/23/2021			Published
STRD-0090404EA	331943-2138	Eurasian Patent Organization	MCCOY, DanielBERRY, Garratt E	SlideBio, Inc	202092353	4/3/2019	4/3/2018					Pending
STRD-0090404EP	331943-2139	European Patent Office	MCCOY, DanielBERRY, Garratt E	SlideBio, Inc	19721907.4	4/3/2019	4/3/2018	3774852	2/17/2021			Published
STRD-0090404IN	331943-2140	India	MCCOY, DanielBERRY, Garratt E	SlideBio, Inc	202047047599	4/3/2019	4/3/2018	45/2020	10/6/2022			Published
STRD-0090404IL	331943-2141	Israel	MCCOY, DanielBERRY, Garratt E	SlideBio, Inc	27766	4/3/2019	4/3/2018	lba	11/30/2020			Published
STRD-0090404JP	331943-2142	Japan	MCCOY, DanielBERRY, Garratt E	SlideBio, Inc	2020-552280	4/3/2019	4/3/2018					Pending
STRD-0090404KR	331943-2143	Republic of Korea	MCCOY, DanielBERRY, Garratt E	SlideBio, Inc	10-2020-7030910	4/3/2019	4/3/2018					Pending

Case No.	Client Matter	Country	Inventors	Owner	Application No.	Application Date	Earliest Priority Date	Publication No.	Publication Date	Registration No.	Registration Date	Case Status
STRD-00904MX	331943-2144	Mexico	MCCOY, DanielBERRY, Garrell E E. SMITH, James Kennon	SildeBio, Inc	MX/2020/010466	4/3/2019	4/3/2018					Pending
STRD-00904NZ	331943-2145	New Zealand	MCCOY, DanielBERRY, Garrell E E. SMITH, James Kennon	SildeBio, Inc	769234	4/3/2019	4/3/2018					Pending
STRD-00904SG	331943-2146	Singapore	MCCOY, DanielBERRY, Garrell E E. SMITH, James Kennon	SildeBio, Inc	11202009451V	4/3/2019	4/3/2018					Pending
STRD-00904ZA	331943-2147	South Africa	MCCOY, DanielBERRY, Garrell E E. SMITH, James Kennon	SildeBio, Inc	2020/05909	4/3/2019	4/3/2018					Pending
STRD-00804US	331943-2148	United States of America	MCCOY, DanielBERRY, Garrell E E. SMITH, James Kennon	SildeBio, Inc	17/045, 090	4/3/2019	4/3/2018	US 2021-0371471 A1	12/2/2021			Published
STRD-00804HK	331943-2218	Hong Kong	MCCOY, DanielBERRY, Garrell E E. SMITH, James Kennon	SildeBio, Inc	62021035353.3	4/3/2019	4/3/2018	40046941	11/12/2021			Published
<b>FILE RECOMBIVANT ADENOVIRUS VECTORS</b>												
STRD-01300US	331943-2042	United States of America	MCCOY, DanielBERRY, Garrell E	SildeBio, Inc	62821, 710	3/21/2019	3/21/2019					Expired
STRD-01301WO	331943-2084	Patent Cooperation Treaty	MCCOY, DanielBERRY, Garrell E	SildeBio, Inc	PCT/US2020/023877	3/20/2020	3/21/2019	WO 2020/191300	9/24/2020			Expired
STRD-01301AR	331943-2087	Argentina	MCCOY, DanielBERRY, Garrell E	SildeBio, Inc	P200100796	3/20/2020	3/21/2019	AR118465 A1	10/6/2021			Published
STRD-01301TW	331943-2088	Taiwan	MCCOY, DanielBERRY, Garrell E	SildeBio, Inc	109109517	3/20/2020	3/21/2019	202102525	1/16/2021			Published
STRD-01301AU	331943-2231	Australia	MCCOY, DanielBERRY, Garrell E	SildeBio, Inc	2020241888	3/20/2020	3/21/2019					Pending
STRD-01301BR	331943-2232	Brazil	MCCOY, DanielBERRY, Garrell E	SildeBio, Inc	1120210187766	3/20/2020	3/21/2019	1120210187766	11/30/2021			Published
STRD-01301CA	331943-2233	Canada	MCCOY, DanielBERRY, Garrell E	SildeBio, Inc	3133453	3/20/2020	3/21/2019					Pending
STRD-01301CN	331943-2234	China	MCCOY, DanielBERRY, Garrell E	SildeBio, Inc	202060030516.4	3/20/2020	3/21/2019	CN 113727992 A	11/30/2021			Published
STRD-01301EA	331943-2235	Eurasian Patent Organization	MCCOY, DanielBERRY, Garrell E	SildeBio, Inc	202192501	3/20/2020	3/21/2019					Pending
STRD-01301EP	331943-2236	European Patent Office	MCCOY, DanielBERRY, Garrell E	SildeBio, Inc	20719535.5	3/20/2020	3/21/2019	3941929	1/26/2022			Published
STRD-01301IL	331943-2237	Israel	MCCOY, DanielBERRY, Garrell E	SildeBio, Inc	266464	3/20/2020	3/21/2019	n/a	12/1/2021			Published
STRD-01301IN	331943-2238	India	MCCOY, DanielBERRY, Garrell E	SildeBio, Inc	202147047174	3/20/2020	3/21/2019	44/2021	10/29/2021			Published
STRD-01301JP	331943-2239	Japan	MCCOY, DanielBERRY, Garrell E	SildeBio, Inc	2021-556643	3/20/2020	3/21/2019					Pending
STRD-01301KR	331943-2240	Republic of Korea	MCCOY, DanielBERRY, Garrell E	SildeBio, Inc	10-2021-7033205	3/20/2020	3/21/2019					Pending
STRD-01301MX	331943-2241	Mexico	MCCOY, DanielBERRY, Garrell E	SildeBio, Inc	MX/2020/011468	3/20/2020	3/21/2019					Pending
STRD-01301NZ	331943-2242	New Zealand	MCCOY, DanielBERRY, Garrell E	SildeBio, Inc	779689	3/20/2020	3/21/2019					Pending
STRD-01301SG	331943-2243	Singapore	MCCOY, DanielBERRY, Garrell E	SildeBio, Inc	11202110146V	3/20/2020	3/21/2019					Pending
STRD-01301US	331943-2244	United States of America	MCCOY, DanielBERRY, Garrell E	SildeBio, Inc	17/479, 577	3/20/2020	3/21/2019	US 2022-0064675 A1	3/3/2022			Published
STRD-01301ZA	331943-2245	South Africa	MCCOY, DanielBERRY, Garrell E	SildeBio, Inc	2021/06560	3/20/2020	3/21/2019					Pending
STRD-01301AE	331943-2246	United Arab Emirates	MCCOY, DanielBERRY, Garrell E	SildeBio, Inc	P6001667/2021	3/20/2020	3/21/2019					Pending
STRD-01301CO	331943-2247	Colombia	MCCOY, DanielBERRY, Garrell E	SildeBio, Inc	NC2021/0013878	3/20/2020	3/21/2019	NC2021/0013878	1/17/2022			Published
STRD-01301SA	331943-2248	Saudi Arabia	MCCOY, DanielBERRY, Garrell E	SildeBio, Inc	521430374	3/20/2020	3/21/2019					Pending
STRD-01301TH	331943-2249	Thailand	MCCOY, DanielBERRY, Garrell E	SildeBio, Inc	2101005731	3/20/2020	3/21/2019					Pending

Cooley Docket No.	Client Matter	Country	Inventors	Owner	Application No.	Application Date	Earliest Priority Date	Publication No.	Publication Date	Registration No.	Registration Date	Case Status
STRD-01301HK	331843-2280	Hong Kong	McCoy, DanielBERRY, Gannell E	SlideBio, Inc.	62022054561.5	3/20/2020	3/21/2019	40066119	8/12/2022			Published
<b>TITLE: RAAV VECTORS TARGETING T-CELLS</b>												
STRD-02200US	331843-2155	United States of America	SMITH, James Kennon	SlideBio, Inc.	63/137,497	1/14/2021	1/14/2021					Expired
STRD-02201WO	331843-2276	Cooperation Treaty	SMITH, James Kennon	SlideBio, Inc.	PCT/US2022012542	1/14/2022	1/14/2021	WO 2022/155482	7/21/2022			Published
STRD-02201AR	331843-2277	Argentina	SMITH, James Kennon	SlideBio, Inc.	P220100072	1/14/2022	1/14/2021					Pending
STRD-02201TW	331843-2278	Taiwan	SMITH, James Kennon	SlideBio, Inc.	111101402	1/13/2022	1/14/2021	202242124	11/1/2022			Published
<b>TITLE: RAAV VECTORS TARGETING HEMATOPOIETIC STEM CELLS</b>												
STRD-02501US	331843-2359	United States of America	SMITH, James Kennon	SlideBio, Inc.	63/386,475	12/7/2022						Pending
<b>TITLE: RECOMBINANT ADENO ASSOCIATED VIRUS VECTORS AND METHODS OF USE THEREOF</b>												
STRD-02700US	331843-2283	United States of America	CASTELLANOS, Rulh	SlideBio, Inc.	63/306,890	2/4/2022	2/4/2022					Expired
STRD-02701US	331843-2285	United States of America	CASTELLANOS, Rulh	SlideBio, Inc.	63/317,948	3/8/2022	3/8/2022					Pending
STRD-02702US	331843-2334	United States of America	CASTELLANOS, Rulh	SlideBio, Inc.	63/339,366	5/6/2022	5/6/2022					Pending
STRD-02703WO	331843-2361	Cooperation Treaty	CASTELLANOS, Rulh	SlideBio, Inc.	PCT/US2023061950	2/3/2023	2/4/2022					Pending
STRD-02703AR	331843-2362	Argentina	CASTELLANOS, Rulh	SlideBio, Inc.	P 23 01 00270	2/3/2023	2/4/2022					Pending
STRD-02703TW	331843-2363	Taiwan	CASTELLANOS, Rulh	SlideBio, Inc.	112103942	2/3/2023	2/4/2022					Pending

**Duke in-licensed IP**

Case/Docket No.	Client/Matter	Country	Inventors	Owner	Application No.	Application Date	Earliest Priority Date	Publication No.	Publication Date	Registration No.	Registration Date	Case Status
<b>TITLE CROSS-SPECIES COMPATIBLE ADENOVIRUS ASSOCIATED VIRUS COMPOSITIONS AND METHODS OF USE THEREOF</b>												
STRD-024/000US	331843-2186	United States of America	ASOKAN, Arayind GONZALES, Tevor:HAVLIK, Patrick	Duke University	69020082	5/5/2020	5/5/2020					Expired
STRD-024/01AR	331843-2185	Argentina	ASOKAN, Arayind GONZALES, Tevor:HAVLIK, Patrick	Duke University	20210101222	5/5/2021	5/5/2020					Pending
STRD-024/01WO	331843-2186	Patent Cooperation Treaty	ASOKAN, Arayind GONZALES, Tevor:HAVLIK, Lawrence Patrick	Duke University	PCT/US2021/030937	5/5/2021	5/5/2020	WO 2021/226267	11/11/2021			Published
STRD-024/01TW	331843-2187	Taiwan	ASOKAN, Arayind GONZALES, Tevor:HAVLIK, Patrick	Duke University	110118293	5/5/2021	5/5/2020					Pending
STRD-024/01AU	331843-2340	Australia	ASOKAN, Arayind GONZALES, Tevor:HAVLIK, Lawrence Patrick	Duke University	2021289946	5/5/2021	5/5/2020					Pending
STRD-024/01BR	331843-2341	Brazil	ASOKAN, Arayind GONZALES, Tevor:HAVLIK, Lawrence Patrick	Duke University	11202202284446	5/5/2021	5/5/2020					Pending
STRD-024/01CA	331843-2342	Canada	ASOKAN, Arayind GONZALES, Tevor:HAVLIK, Lawrence Patrick	Duke University	3,177,869	5/5/2021	5/5/2020					Pending
STRD-024/01CN	331843-2343	China	ASOKAN, Arayind GONZALES, Tevor:HAVLIK, Lawrence Patrick	Duke University		5/5/2021	5/5/2020					Not yet filed
STRD-024/01EA	331843-2344	Eurasian Patent Organization	ASOKAN, Arayind GONZALES, Tevor:HAVLIK, Lawrence Patrick	Duke University	202293196	5/5/2021	5/5/2020					Pending
STRD-024/01EP	331843-2345	European Patent Office	ASOKAN, Arayind GONZALES, Tevor:HAVLIK, Lawrence Patrick	Duke University	21800135.2	5/5/2021	5/5/2020	4125977	2/8/2023			Allowed
STRD-024/01IL	331843-2346	Israel	ASOKAN, Arayind GONZALES, Tevor:HAVLIK, Lawrence Patrick	Duke University	297577	5/5/2021	5/5/2020					Pending
STRD-024/01IN	331843-2347	India	ASOKAN, Arayind GONZALES, Tevor:HAVLIK, Lawrence Patrick	Duke University	202247089393	5/5/2021	5/5/2020					Pending
STRD-024/01JP	331843-2348	Japan	ASOKAN, Arayind GONZALES, Tevor:HAVLIK, Lawrence Patrick	Duke University	2022-567079	5/5/2021	5/5/2020					Pending
STRD-024/01KR	331843-2349	Republic of Korea	ASOKAN, Arayind GONZALES, Tevor:HAVLIK, Lawrence Patrick	Duke University	10-2022-7042850	5/5/2021	5/5/2020					Pending
STRD-024/01MX	331843-2350	Mexico	ASOKAN, Arayind GONZALES, Tevor:HAVLIK, Lawrence Patrick	Duke University	MX/91/2022/013963	5/5/2021	5/5/2020					Pending
STRD-024/01NZ	331843-2351	New Zealand	ASOKAN, Arayind GONZALES, Tevor:HAVLIK, Lawrence Patrick	Duke University	793687	5/5/2021	5/5/2020					Pending
STRD-024/01SG	331843-2352	Singapore	ASOKAN, Arayind GONZALES, Tevor:HAVLIK, Lawrence Patrick	Duke University	11202254675V	5/5/2021	5/5/2020					Pending
STRD-024/01US	331843-2353	United States of America	ASOKAN, Arayind GONZALES, Tevor:HAVLIK, Lawrence Patrick	Duke University	17/922,982	5/5/2021	5/5/2020					Pending
STRD-024/01ZA	331843-2354	South Africa	ASOKAN, Arayind GONZALES, Tevor:HAVLIK, Lawrence Patrick	Duke University	2022-12097	5/5/2021	5/5/2020					Pending

**Sarepta out-licensed IP**

Cooley Docket No.	Client- Matter	Country	Inventors	Owner	Application No.	Application Date	Earliest Priority Date	Publication No.	Publication Date	Registration No.	Registration Date	Case Status
<b>TITLE: ABBNO-ASSOCIATED VIRAL VECTORS FOR TREATMENT OF NIEMANN-PICK DISEASE TYPE C</b>												
STRD-021/00US	331943-2149	United States of America	MCCOY, DanielBERRY, Garrell E./DISMUKE, David	SirideBio, Inc.	63/082, 425	9/23/2020	9/23/2020					Expired
STRD-021/01US	331943-2150	United States of America	MCCOY, DanielBERRY, Garrell E./DISMUKE, David	SirideBio, Inc.	63/082, 899	9/24/2020	9/24/2020					Expired
STRD-021/02US	331943-2156	United States of America	MCCOY, DanielBERRY, Garrell E./DISMUKE, David	SirideBio, Inc.	17/072, 624	10/16/2020	10/17/2019	US 2021-0115474 A1	4/22/2021			Published
STRD-021/02WO	331943-2158	Cooperation Treaty	MCCOY, DanielBERRY, Garrell E./DISMUKE, David	SirideBio, Inc.	PCT/US2020/056031	10/16/2020	10/17/2019	WO 2021/078925	4/22/2021			Expired
STRD-021/02AR	331943-2159	Argentina	MCCOY, DanielBERRY, Garrell E./DISMUKE, David	SirideBio, Inc.	P200102878	10/16/2020	9/23/2020	AR120249 A1	2/9/2022			Published
STRD-021/02GC	331943-2160	Gulf Co-Operation Council	MCCOY, DanielBERRY, Garrell E./DISMUKE, David	SirideBio, Inc.	2020/40699	10/16/2020	10/17/2019					Pending
STRD-021/02TW	331943-2161	Taiwan	MCCOY, DanielBERRY, Garrell E./DISMUKE, David	SirideBio, Inc.	109138018	10/16/2020	10/17/2019	202128736	8/1/2021			Published
STRD-021/02AE	331943-2310	United Arab Emirates	MCCOY, DanielBERRY, Garrell E./DISMUKE, David	SirideBio, Inc.	PE000051/2022	10/16/2020	10/17/2019					Pending
STRD-021/02AU	331943-2311	Australia	MCCOY, DanielBERRY, Garrell E./DISMUKE, David	SirideBio, Inc.	202038752	10/16/2020	10/17/2019					Pending
STRD-021/02BR	331943-2312	Brazil	MCCOY, DanielBERRY, Garrell E./DISMUKE, David	SirideBio, Inc.	112022006530-2	10/16/2020	10/17/2019	BR112022006530-2	7/5/2022			Published
STRD-021/02CA	331943-2313	Canada	MCCOY, DanielBERRY, Garrell E./DISMUKE, David	SirideBio, Inc.	3157700	10/16/2020	10/17/2019					Pending
STRD-021/02CL	331943-2314	Chile	MCCOY, DanielBERRY, Garrell E./DISMUKE, David	SirideBio, Inc.	0839-2022	10/16/2020	10/17/2019					Pending
STRD-021/02CN	331943-2315	China	MCCOY, DanielBERRY, Garrell E./DISMUKE, David	SirideBio, Inc.	2020006118-4	10/16/2020	10/17/2019	114787180	7/22/2022			Published
STRD-021/02CO	331943-2316	Colombia	MCCOY, DanielBERRY, Garrell E./DISMUKE, David	SirideBio, Inc.	NC2022/0004649	10/16/2020	10/17/2019	NC2022/0004649	4/29/2022			Published
STRD-021/02EA	331943-2317	Eurasian Patent Organization	MCCOY, DanielBERRY, Garrell E./DISMUKE, David	SirideBio, Inc.	202290716	10/16/2020	10/17/2019					Pending
STRD-021/02EG	331943-2318	Egypt	MCCOY, DanielBERRY, Garrell E./DISMUKE, David	SirideBio, Inc.	PCT 459/2022	10/16/2020	10/17/2019					Pending
STRD-021/02EP	331943-2319	European Patent Office	MCCOY, DanielBERRY, Garrell E./DISMUKE, David	SirideBio, Inc.	20807932.7	10/16/2020	10/17/2019	4045525	8/24/2022			Published

Cooley Docket No.	Client Matter	Country	Inventors	Owner	Application No.	Application Date	Earliest Priority Date	Publication No.	Publication Date	Registration No.	Registration Date	Case Status
STRD-021/02IN	331943-2320	India	MCCOY, DanielBERRY, Garrell E. DISMUKE, David	SirideBio, Inc.	202247022918	10/16/2020	10/17/2019					Pending
STRD-021/02IL	331943-2321	Israel	MCCOY, DanielBERRY, Garrell E. DISMUKE, David	SirideBio, Inc.	292297	10/16/2020	10/17/2019	292297	6/1/2022			Published
STRD-021/02IR	331943-2322	Iran	MCCOY, DanielBERRY, Garrell E. DISMUKE, David	SirideBio, Inc.	140150140003000246	10/16/2020	10/17/2019					To be Abandoned
STRD-021/02JP	331943-2323	Japan	MCCOY, DanielBERRY, Garrell E. DISMUKE, David	SirideBio, Inc.	2022-522310	10/16/2020	10/17/2019					Pending
STRD-021/02KR	331943-2324	Republic of Korea	MCCOY, DanielBERRY, Garrell E. DISMUKE, David	SirideBio, Inc.	10-2022-7013462	10/16/2020	10/17/2019					Pending
STRD-021/02KW	331943-2325	Kuwait	MCCOY, DanielBERRY, Garrell E. DISMUKE, David	SirideBio, Inc.	KW/P/2022/411	10/16/2020	10/17/2019					Pending
STRD-021/02MX	331943-2326	Mexico	MCCOY, DanielBERRY, Garrell E. DISMUKE, David	SirideBio, Inc.	MX/a/2022/004352	10/16/2020	10/17/2019	MX/a/2022/004352	8/12/2022			Published
STRD-021/02MY	331943-2327	Malaysia	MCCOY, DanielBERRY, Garrell E. DISMUKE, David	SirideBio, Inc.	PI 2022001917	10/16/2020	10/17/2019					Pending
STRD-021/02NZ	331943-2328	New Zealand	MCCOY, DanielBERRY, Garrell E. DISMUKE, David	SirideBio, Inc.	787428	10/16/2020	10/17/2019					Pending
STRD-021/02SA	331943-2329	Saudi Arabia	MCCOY, DanielBERRY, Garrell E. DISMUKE, David	SirideBio, Inc.	522432222	10/16/2020	10/17/2019					Pending
STRD-021/02SG	331943-2330	Singapore	MCCOY, DanielBERRY, Garrell E. DISMUKE, David	SirideBio, Inc.	11202203694W	10/16/2020	10/17/2019					Pending
STRD-021/02TH	331943-2331	Thailand	MCCOY, DanielBERRY, Garrell E. DISMUKE, David	SirideBio, Inc.	2201002184	10/16/2020	10/17/2019					Pending
STRD-021/03US	331943-2332	United States of America	MCCOY, DanielBERRY, Garrell E. DISMUKE, David	SirideBio, Inc.	17759.621	10/16/2020	10/17/2019					Pending
STRD-021/02ZA	331943-2333	South Africa	MCCOY, DanielBERRY, Garrell E. DISMUKE, David	SirideBio, Inc.	2022/04383	10/16/2020	10/17/2019					Pending
STRD-021/02HK	331943-2357	Hong Kong	MCCOY, DanielBERRY, Garrell E. DISMUKE, David	SirideBio, Inc.	62022063814.7	10/16/2020	10/17/2019	40075062	1/13/2023			Published
<b>TITLE RECOMMENDANT ASSOCIATED VECTORS AND METHODS OF USE THEREOF</b>												
STRD-028/00US	331943-2358	United States of America	SORCHAEDI, Gini SHEETS, Kevin	SirideBio, Inc.	63/43.894	2/8/2023						Pending