

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT6402978

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
YVONNE YAMANAKA	04/20/2016
RECEIVING PARTY DATA	
Name:	FLAGSHIP PIONEERING, INC.
Street Address:	55 CAMBRIDGE PARKWAY
Internal Address:	SUITE 800E
City:	CAMBRIDGE
State/Country:	MASSACHUSETTS
Postal Code:	02142
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16140091
CORRESPONDENCE DATA	
Fax Number:	(617)646-8646
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	6176468000
Email:	Annie.Fearnley@wolfgreenfield.com
Correspondent Name:	STEVEN N. SCHAFHEIMER
Address Line 1:	WOLF, GREENFIELD & SACKS, P.C.
Address Line 2:	600 ATLANTIC AVENUE
Address Line 4:	BOSTON, MASSACHUSETTS 02210
ATTORNEY DOCKET NUMBER:	V0279.70012US03
NAME OF SUBMITTER:	STEVEN NATHANIEL SCHAFHEIMER
SIGNATURE:	/Steven N Schafheimer/
DATE SIGNED:	11/16/2020
Total Attachments: 8	
source=V027970012US03-ASI_4-NNS#page1.tif	
source=V027970012US03-ASI_4-NNS#page2.tif	
source=V027970012US03-ASI_4-NNS#page3.tif	
source=V027970012US03-ASI_4-NNS#page4.tif	

source=V027970012US03-ASI_4-NNS#page5.tif

source=V027970012US03-ASI_4-NNS#page6.tif

source=V027970012US03-ASI_4-NNS#page7.tif

source=V027970012US03-ASI_4-NNS#page8.tif

CONFIRMATORY ASSIGNMENT

This Confirmatory Assignment is entered into by and between the person(s) named below (hereinafter "ASSIGNOR"), and **FLAGSHIP PIONEERING, INC.**, formerly **FLAGSHIP VENTURES MANAGEMENT, INC.**, a Delaware corporation having a place of business at 55 Cambridge Parkway, Suite 800E, Cambridge, MA 02142 (hereinafter "ASSIGNEE").

WHEREAS, ASSIGNOR and ASSIGNEE are parties to an assignment entitled "Assignment" dated April 20, 2016 (hereinafter the "ASSIGNMENT");

WHEREAS, ASSIGNOR assigned to ASSIGNEE all of ASSIGNOR's right, title and interest in certain intellectual property, including the patents and patent applications listed on Exhibit A attached hereto, in accordance with the terms and conditions set forth in the ASSIGNMENT;

WHEREAS, ASSIGNOR seeks to confirm, and ASSIGNEE desires the execution of a confirmatory assignment document confirming ASSIGNOR's assignment of all its right, title and interest in the patents and patent applications listed on Exhibit A in accordance with the terms and conditions set forth in the ASSIGNMENT;

NOW, THEREFORE, for and in consideration of the ASSIGNMENT and of other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby confirms its sale, assignment, and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, ASSIGNOR's entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to:

(1) all of the inventions and discoveries described in said patents and patent applications listed on Exhibit A attached hereto and in any provisional or non-provisional application(s) to which said application(s) claims priority;

(2) the patents and patent applications identified in paragraph (1), and all applications claiming priority from such application(s), directly or indirectly, including all national stages of any international patent application(s); and

(3) all of said inventions of the patents and application identified in paragraphs (1) and (2) and any and all corresponding patent application(s) and continuations, divisions and renewals of and substitutes for said corresponding patent application(s), and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and any and all other countries, and any reissue or reissues or extension or extensions of said Letters Patent.

To the extent that any of the above-mentioned rights may still be outstanding, ASSIGNOR hereby sells, assigns, and transfers unto said ASSIGNEE, its successors, assigns, and legal representatives, said outstanding rights.

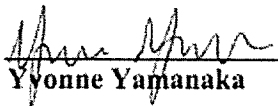
ASSIGNOR hereby assigns to and authorizes said ASSIGNEE, to file in our names corresponding patent applications for Letters Patent in all countries, the same to be held and enjoyed by said ASSIGNEE, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by us had this assignment, sale and transfer not been made.

AND ASSIGNOR hereby covenants that ASSIGNOR had full right to convey the entire interest assigned in said ASSIGNMENT, and that ASSIGNOR has not executed and will not execute any agreement in conflict herewith, and we further covenant and agree that ASSIGNOR will each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions, said application and said Letters Patent to said ASSIGNEE, its successors, assigns, nominees or legal representatives, and ASSIGNOR agrees to communicate to said ASSIGNEE, or to its nominee all known facts respecting said inventions, said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful oaths, and generally to do everything possible to aid said ASSIGNEE, its successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit proper patent protection for said inventions in any and all countries.


AND ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents of applications as aforesaid, to issue to said ASSIGNEE, as assignee of the entire right, title and interest, any and all Letters Patent for said inventions, including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

AND, ASSIGNOR hereby further agrees that should any provision of this Confirmatory Assignment be deemed invalid or unenforceable by reason of any law, statute, regulation or judgment, existing now or in the future in any jurisdiction, such provision shall be modified in such jurisdiction so as to nearly approximate the intent of the ASSIGNOR and the ASSIGNEE. If this cannot be done, such invalid or unenforceable provision shall be divisible and be deleted in any such jurisdiction, and all other provisions shall remain in full force and effect. The modification or deletion of any provision in one jurisdiction shall have no effect on this Confirmatory Assignment in any other jurisdiction.

Nothing in this Assignment shall be construed to increase, expand, decrease, or affect in any way the rights granted by ASSIGNOR to the ASSIGNEE pursuant to the ASSIGNMENT.

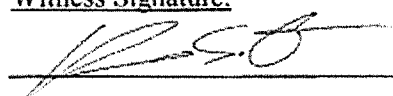
Name and Signature

Yvonne Yamanaka

Date of Signature
9/5/18

Witness Signature:


Date of Signature:
9/5/18

Witness Name:
Mandy Deng

Witness Signature:


Date of Signature:
9/5/18

Witness Name:
Richard Gaster

Duly Authorized Representative of ASSIGNEE

Date of Signature

CR Carelli

9-10-18

NAME: Charles Carelli
TITLE: Chief Financial Officer
Flagship Pioncering, Inc.

Exhibit A

I.&A Docket #	Application Info.	Title
K2047- 7001WO2	PCT/US2016/029082, filed April 23, 2016;	GLYCAN THERAPEUTICS AND METHODS OF TREATMENT

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, the person(s) named below (referred to as "INVENTOR" whether singular or plural) has sold, assigned, and transferred and does hereby sell, assign, and transfer to **FLAGSHIP VENTURES MANAGEMENT, Inc.**, a Delaware corporation, having a place of business at 1 Memorial Drive, 7th Floor, Cambridge, MA 02142 ("ASSIGNEE"), for itself and its successors, transferees, and assignees, the following:

1. The entire worldwide right, title, and interest in all inventions ("SUBJECT MATTER") that are disclosed in the international application filed with the United States Patent and Trademark Office as Receiving Office of the World Intellectual Property Organization in accordance with the Patent Cooperation Treaty (PCT) listed in Appendix A ("APPLICATION"):

2. The entire worldwide right, title, and interest in and to:
(a) the APPLICATION; (b) all applications claiming priority from the APPLICATION; (c) all utility, divisional, continuation, substitute, renewal, reissue, and other applications related thereto that have been or may be filed in the United States or elsewhere in the world; (d) all patents (including reissues and re-examinations) that may be granted on the applications set forth in (a), (b), and (c) above; and (e) all right of priority in the APPLICATION and in any underlying provisional or foreign application, together with all rights to recover damages for infringement of provisional rights.

INVENTOR agrees that ASSIGNEE may apply for and receive patents for SUBJECT MATTER in ASSIGNEE's own name.

INVENTOR agrees to do the following, when requested, and without further consideration, in order to carry out the intent of this Assignment: (1) execute all oaths, assignments, powers of attorney, applications, and other papers necessary or desirable to fully secure to ASSIGNEE the rights, titles and interests herein conveyed; (2) communicate to ASSIGNEE all known facts relating to the SUBJECT MATTER; and (3) generally do all lawful acts that ASSIGNEE shall consider desirable for securing, maintaining, and enforcing worldwide patent protection relating to the SUBJECT MATTER and for vesting in ASSIGNEE the rights, titles, and interests herein conveyed. INVENTOR further agrees to provide any successor, assign, or legal representative of ASSIGNEE with the benefits and assistance provided to ASSIGNEE hereunder.

INVENTOR represents that INVENTOR has the rights, titles, and interests to convey as set forth herein, and covenants with ASSIGNEE that the INVENTOR has not made and will not hereafter make any assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.

INVENTOR grants the attorney of record the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the

United States Patent and Trademark Office or other authority for recordation of this document, including the filing date and serial number of the APPLICATION when known.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

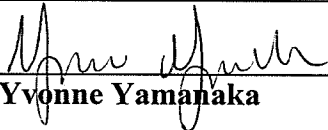
Name and Signature

Date of Signature

Geoffrey A. von Maltzahn

Name and Signature

Date of Signature



Yvonne Yamanaka

4 / 20 / 16

Name and Signature

Date of Signature

Jack Milwid

Name and Signature

Date of Signature

Jacob R. Rubens

APPENDIX A

ATTORNEY DOCKET NO.	TITLE	CLIENT REF.	APPLICATION NO.	DATE FILED
K2047-7001WO	Glycan Therapeutics Compositions and Related Methods Thereof			