

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	SHAILA RAHMAN	03/09/2018
RECEIVING PARTY DATA		
Name:	FLAGSHIP PIONEERING, INC. (F/K/A FLAGSHIP VENTURES MANAGEMENT, INC.)	
Street Address:	55 CAMBRIDGE PARKWAY	
City:	CAMBRIDGE	
State/Country:	MASSACHUSETTS	
Postal Code:	02142	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	17214562
CORRESPONDENCE DATA		
Fax Number:	(617)832-7000	
<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:	(617) 832-1267	
Email:	patentdocketing@foleyhoag.com, kbigelow@foleyhoag.com	
Correspondent Name:	FOLEY HOAG LLP	
Address Line 1:	155 SEAPORT BOULEVARD	
Address Line 4:	BOSTON, MASSACHUSETTS 02210-2600	
ATTORNEY DOCKET NUMBER:	ETB-07502	
NAME OF SUBMITTER:	KRISTIN BIGELOW	
SIGNATURE:	/Kristin Bigelow/	
DATE SIGNED:	04/28/2023	
Total Attachments: 4		
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ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor (hereinafter referred to singly and collectively as "ASSIGNOR") has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto

Flagship Pioneering, Inc. [f.k.a. Flagship Ventures Management, Inc.]
55 Cambridge Parkway
Cambridge, Massachusetts 02142

(hereinafter referred to as "ASSIGNEE") its successors and assigns, the full and exclusive right, title and interest for the United States, its territories and possessions, and all foreign countries in and to the inventions as forth in the Patent Applications listed in attached **Schedule A**, as well as in and to (a) the applications listed in Schedule A and all other applications for Letters Patent of the United States and countries foreign thereto for inventions as forth in the Patent Applications listed in attached Schedule A, (b) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (c) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (d) the right to claim for any of said applications the full benefits and priority rights under the International Convention and any other international agreement to which the United States adheres; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY AUTHORIZES ASSIGNEE to file patent applications in any or all countries on the above-identified invention or inventions in the name of the undersigned or in the name of ASSIGNEE or otherwise as ASSIGNEE may deem advisable under the International Convention or otherwise.

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

ASSIGNOR HEREBY AGREES (a) to communicate to ASSIGNEE, its successors and assigns, or their representative or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional,

continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, and declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for said invention or inventions, under the intellectual property laws of the United States and countries foreign thereto.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNOR HEREBY GRANTS to the law firm of **McCarter & English, LLP** the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

ASSIGNOR UNDERSTANDS AND AGREES that the attorneys and agents of the law firm of **McCarter & English, LLP** do not personally represent ASSIGNOR OR ASSIGNORS' legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

Assignor: _____
Shaile Rahman

By: CL R cep
Officer of Flagship Pioneering, Inc.
As attorney-in-fact

3-9-18
Date

Witness: [Signature]

3-9-18
Date

SCHEDULE A

Serial No.	Filing Date	Atty. Docket No.	Title
14/952891	25-Nov-2015	126383-01802	Probiotic And Prebiotic Compositions, And Methods Of Use Thereof For Modulation Of The Microbiome
PCT/US2015/062805	25-Nov-2015	126383-01820	Probiotic And Prebiotic Compositions, And Methods Of Use Thereof For Modulation Of The Microbiome
14/952892	25-Nov-2015	126383-01903	Probiotic And Prebiotic Compositions, And Methods Of Use Thereof For Treatment And Prevention Of Graft Versus Host Disease
15/495522	24-Apr-2017	126383-01905	Probiotic And Prebiotic Compositions, And Methods Of Use Thereof For Treatment And Prevention Of Graft Versus Host Disease
PCT/US2015/062810	25-Nov-2015	126383-01921	Probiotic And Prebiotic Compositions, And Methods Of Use Thereof For Treatment And Prevention Of Graft Versus Host Disease
14/952887	25-Nov-2015	126383-01902	Probiotic And Prebiotic Compositions, And Methods Of Use Thereof For Treatment And Prevention Of Graft Versus Host Disease
14/968086	14-Dec-2015	126383-01904	Probiotic And Prebiotic Compositions, And Methods Of Use Thereof For Treatment And Prevention Of Graft Versus Host Disease
15/664310	31-Jul-2017	126383-01906	Probiotic And Prebiotic Compositions, And Methods Of Use Thereof For Treatment And Prevention Of Graft Versus Host Disease
PCT/US2015/062808	25-Nov-2015	126383-01920	Probiotic And Prebiotic Compositions, And Methods Of Use Thereof For Treatment And Prevention Of Graft Versus Host Disease
14/952894	25-Nov-2015	126386-02002	Probiotic And Prebiotic Compositions, And Methods Of Use Thereof For Treatment Of Gastrointestinal Disorders
PCT/US2015/062809	25-Nov-2015	126383-02020	Probiotic And Prebiotic Compositions, And Methods Of Use Thereof For Treatment Of Gastrointestinal Disorders
14/952895	25-Nov-2015	126383-02102	Probiotic Compositions Containing Clostridiales For Inhibiting Inflammation
15/438271	21-Feb-2017	126383-02103	Probiotic Compositions Containing Clostridiales For Inhibiting Inflammation
PCT/US2015/062806	25-Nov-2015	126383-02120	Probiotic Compositions Containing Clostridiales For Inhibiting Inflammation