

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	JOSE ORDOVAS-MONTANES	04/03/2019
RECEIVING PARTY DATA		
Name:	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	
Street Address:	77 MASSACHUSETTS AVENUE	
City:	CAMBRIDGE	
State/Country:	MASSACHUSETTS	
Postal Code:	02139	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	16240361
CORRESPONDENCE DATA		
Fax Number:	(240)359-4879	
<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:	912-257-4864	
Email:	BROD.Assignments@jmi-iplaw.com	
Correspondent Name:	F. BRENT NIX, ESQ.	
Address Line 1:	PO BOX 691	
Address Line 2:	JOHNSON, MARCOU & ISAACS, LLC	
Address Line 4:	HOSCHTON, GEORGIA 30548	
ATTORNEY DOCKET NUMBER:	BROD-2417	
NAME OF SUBMITTER:	CHENAE M. BYRD	
SIGNATURE:	/CHENAE M. BYRD/	
DATE SIGNED:	05/03/2019	
Total Attachments: 3		
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ASSIGNMENT

WHEREAS, we, **BENJAMIN E. MEAD**, having a correspondence address of c/o 77 Massachusetts Avenue, Cambridge, Massachusetts 02139, **JOSE ORDOVAS-MONTANES**, having a correspondence address of c/o 77 Massachusetts Avenue, Cambridge, Massachusetts 02139, **ALEXANDER K. SHALEK**, having a correspondence of c/o 77 Massachusetts Avenue, Cambridge, Massachusetts 02139, and **ROBERT LANGER**, having a correspondence address of c/o 77 Massachusetts Avenue, Cambridge, Massachusetts 02139, have invented with others certain inventions and improvements disclosed in a patent application entitled "**SINGLE-CELL GENOMIC METHODS TO GENERATE EX VIVO CELL SYSTEMS THAT RECAPITULATE IN VIVO BIOLOGY WITH IMPROVED FIDELITY**," filed with the United States Patent and Trademark Office on January 4, 2019 and assigned U.S. Patent Application No. 16/240,361; and

WHEREAS, **MASSACHUSETTS INSTITUTE OF TECHNOLOGY**, having a principal place of business at 77 Massachusetts Avenue, Cambridge, Massachusetts 02139, is desirous of acquiring an interest in the same; and

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which we hereby acknowledge, we, **BENJAMIN E. MEAD**, **JOSE ORDOVAS-MONTANES**, **ALEXANDER K. SHALEK**, and **ROBERT LANGER**, *by these presents, do sell, assign, and transfer unto said Assignee, MASSACHUSETTS INSTITUTE OF TECHNOLOGY*, our full, exclusive, and entire right, title, and interest in and to said application, in and to any divisions, continuations, reexaminations, and reissues thereof, and in and to all inventions and improvements disclosed and described in said application, preparatory to obtaining Letters Patent of the United States therefor; and we hereby request the Director of the U.S. Patent and Trademark Office to issue any and all Letters Patent of the United States resulting from said application, or from a division, continuation, reexamination, or reissue thereof, to **MASSACHUSETTS INSTITUTE OF TECHNOLOGY**, for its interest and for the use and benefit of **MASSACHUSETTS INSTITUTE OF TECHNOLOGY**, as assignee, and its assigns and legal representatives;

For the same consideration, we, by these presents, do sell, assign, and transfer to **MASSACHUSETTS INSTITUTE OF TECHNOLOGY**, our full, exclusive, and entire right, title, and interest in and to any foreign application or applications corresponding to said application, in whole or in part, in countries other than the United States, in and to any Letters Patent and similar protective rights granted on said foreign applications, and in and to the right to claim any applicable priority rights arising from or required for said foreign applications under the terms of any applicable conventions, treaties, statutes, or regulations; said foreign applications to be filed and issued in the name of **MASSACHUSETTS INSTITUTE OF TECHNOLOGY**, or its designees insofar as permitted by applicable law;

AND, for the same consideration, we agree to sign all lawful papers, execute all division, continuing, reexamination, reissue, and other applications, make all assignments and rightful oaths, and generally do everything possible to aid **MASSACHUSETTS INSTITUTE OF TECHNOLOGY**, its successors, assigns, and nominees to obtain and enforce proper protection for all said inventions and improvements in all countries throughout the world.

In testimony whereof, we hereunto set our hands and seals on the dates indicated below.

BENJAMIN E. MEAD Date

COMMONWEALTH OF MASSACHUSETTS
COUNTY OF MIDDLESEX

Before me, a Notary Public in and for the aforementioned state, on this _____ day of _____, 20_____, personally appeared **BENJAMIN E. MEAD**, who, being duly sworn, signed and acknowledged the foregoing Assignment.

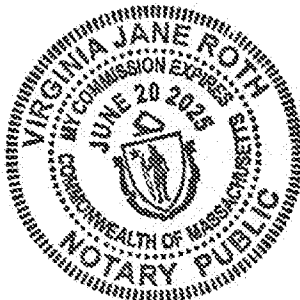
NOTARY PUBLIC

My Commission Expires: _____

JOSE ORDOVAS-MONTANES 4/3/2019
Date

COMMONWEALTH OF MASSACHUSETTS
COUNTY OF MIDDLESEX

Before me, a Notary Public in and for the aforementioned state, on this 3rd day of April, 2019, personally appeared **JOSE ORDOVAS-MONTANES**, who, being duly sworn, signed and acknowledged the foregoing Assignment.



Virginia Jane Roth
NOTARY PUBLIC
My Commission Expires: 6/20/25

ALEXANDER K. SHALEK Date

COMMONWEALTH OF MASSACHUSETTS
COUNTY OF MIDDLESEX

Before me, a Notary Public in and for the aforementioned state, on this _____ day of _____, 20_____, personally appeared **ALEXANDER K. SHALEK**, who, being duly sworn, signed and acknowledged the foregoing Assignment.

NOTARY PUBLIC

My Commission Expires: _____

ROBERT LANGER Date

COMMONWEALTH OF MASSACHUSETTS
COUNTY OF MIDDLESEX

Before me, a Notary Public in and for the aforementioned state, on this _____ day of _____, 20_____, personally appeared **ROBERT LANGER**, who, being duly sworn, signed and acknowledged the foregoing Assignment.

NOTARY PUBLIC

My Commission Expires: _____