

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5982504

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| CHRISTOPHER SMILLIE | 04/26/2019 |
| RECEIVING PARTY DATA | |
| Name: | MASSACHUSETTS INSTITUTE OF TECHNOLOGY |
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| City: | CAMBRIDGE |
| State/Country: | MASSACHUSETTS |
| Postal Code: | 02139 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 16632018 |
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| NAME OF SUBMITTER: | SUSAN FRATTURA |
| SIGNATURE: | /Susan Frattura/ |
| DATE SIGNED: | 02/26/2020 |
| Total Attachments: 3 | |
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ASSIGNMENT

WHEREAS, we, **CHRISTOPHER SMILLIE**, having a correspondence address of c/o 77 Massachusetts Avenue, Cambridge, Massachusetts 02139, **ALEXANDER K. SHALEK**, having a correspondence address of c/o 77 Massachusetts Avenue, Cambridge, Massachusetts 02139 and **JOSE ORDOVAS-MONTANES**, having a correspondence address of c/o 77 Massachusetts Avenue, Cambridge, Massachusetts 02139, have invented with others certain inventions and improvements disclosed in PCT International Patent Application entitled "**CELL ATLAS OF THE HEALTHY AND ULCERATIVE COLITIS HUMAN COLON**," filed with the United States Patent and Trademark Office as Receiving Office on July 17, 2018 and assigned PCT International Application No. PCT/US2018/042554; and

WHEREAS, the **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, **CHRISTOPHER SMILLIE**, **ALEXANDER K. SHALEK**, and **JOSE ORDOVAS-MONTANES**, by these presents, do sell, assign, and transfer unto said Assignee, the **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 applications, 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 applications, or from a division, continuation, reexamination, or reissue thereof, to the **MASSACHUSETTS INSTITUTE OF TECHNOLOGY**, for its interest and for the use and benefit of the **MASSACHUSETTS INSTITUTE OF TECHNOLOGY**, as assignee, and its assigns and legal representatives;

For the same consideration, we, by these presents, do hereby sell, assign, and transfer to the **MASSACHUSETTS INSTITUTE OF TECHNOLOGY**, our full, exclusive, and entire right, title, and interest in and to any foreign application or applications corresponding to said applications, 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 the **MASSACHUSETTS INSTITUTE OF TECHNOLOGY**, or its designees insofar as permitted by applicable law;

AND, for the same consideration, we hereby 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 the **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.

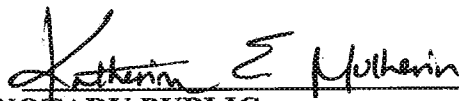
In testimony whereof, we hereunto set our hands and seals on the dates indicated below.



CHRISTOPHER SMILLIE 4/26/14
Date

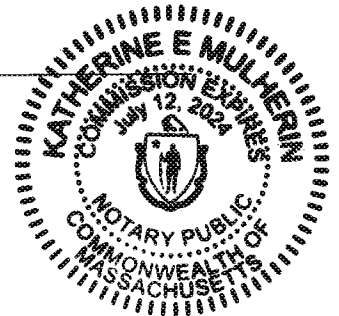
COMMONWEALTH OF MASSACHUSETTS
COUNTY OF MIDDLESEX

Before me, a Notary Public in and for the aforementioned state, on this 26th
day of April, 2014, personally appeared **CHRISTOPHER SMILLIE**, who,
being duly sworn, signed and acknowledged the foregoing Assignment.



NOTARY PUBLIC

My Commission Expires: 7/12/24



[SIGNATURES CONTINUED ON NEXT PAGE]

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: _____

JOSE ORDOVAS-MONTANES 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 **JOSE ORDOVAS-MONTANES**,
who, being duly sworn, signed and acknowledged the foregoing Assignment.

NOTARY PUBLIC

My Commission Expires: _____

[END OF SIGNATURE PAGE]