

PATENT ASSIGNMENT COVER SHEET

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NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ALEXANDER K. SHALEK	02/21/2017
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:	16085938
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:	9122574864
Email:	BROD.Assignments@jmi-iplaw.com
Correspondent Name:	F. BRENT NIX, ESQ.
Address Line 1:	JOHNSON, MARCOU & ISAACS, LLC
Address Line 2:	P.O. BOX 691
Address Line 4:	HOSCHTON, GEORGIA 30548
ATTORNEY DOCKET NUMBER:	BROD-3570US
NAME OF SUBMITTER:	SUSAN FRATTURA
SIGNATURE:	/Susan Frattura/
DATE SIGNED:	09/18/2018
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ASSIGNMENT

I, Alexander K. Shalek, residing at: 2408 Massachusetts Avenue, Lexington, MA 02421, USA, being the inventor(s) of certain improvements in the international application entitled: **METHODS FOR IDENTIFYING AND MODULATING CO-OCCURANT CELLULAR PHENOTYPES** for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, hereby assign unto **MASSACHUSETTS INSTITUTE OF TECHNOLOGY** having a place of business at 77 Massachusetts Avenue, Cambridge, MA 02139 its successors and assigns (1) the entire right, title and interest in all countries throughout the world in and to any and all of my inventions and discoveries in my United States Provisional Application No. 62/309,680 filed March 17, 2016 and a PCT International Application filed under the Patent Cooperation Treaty in the PCT United States Receiving Office (ROIUS) on March 17, 2017 identified as International Application No. PCT/US17/23054, and designating all PCT member countries/states, as well as in any renewals, revivals, reissues, reexaminations, extensions, continuations and divisions thereof, and any substitute applications therefore; (2) the full and complete right to file patent applications in the name of **MASSACHUSETTS INSTITUTE OF TECHNOLOGY**, or their designee's election, on the aforesaid inventions, discoveries and applications in all countries of the world; (3) the entire right title and interest in and to any Letters Patent which may issue on the aforesaid inventions, discoveries and applications in any country of the world and any renewals, revivals, reissues, reexaminations and extensions thereof, and any patents of confirmation, registration and importation of the same; and (4) the entire right, title and interest in and to all Convention and Treaty Rights of all kinds thereon, including without limitation all rights of priority in any country of the world, in and to the following application(s):

United States Provisional Application No. 62/309,680 filed March 17, 2016, and all rights of priority in any country of the world deriving from the above-identified International Application.

I hereby authorize and request the competent authorities to grant and to issue any and all such Letters Patent in any country throughout the world to **MASSACHUSETTS INSTITUTE OF TECHNOLOGY** as the assignee of the entire right, title and interest therein, as fully and entirely as the same would have been held and enjoyed by me had this assignment, sale and transfer not been made.

IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal, this 21st day of February, 2017.

Carmelina M. Conzitto

Notary Public

My Commission Expires:

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