

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5521184

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the NAME OF THE FIRST ASSIGNEE previously recorded on Reel 040182 Frame 0905. Assignor(s) hereby confirms the ASSIGNMENT.	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	AVIV REGEV	10/21/2016
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	THE BROAD INSTITUTE, INC.	
<b>Street Address:</b>	415 MAIN STREET	
<b>City:</b>	CAMBRIDGE	
<b>State/Country:</b>	MASSACHUSETTS	
<b>Postal Code:</b>	02142	
<b>Name:</b>	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	
<b>Street Address:</b>	77 MASSACHUSETTS AVENUE	
<b>City:</b>	CAMBRIDGE	
<b>State/Country:</b>	MASSACHUSETTS	
<b>Postal Code:</b>	02139	
<b>PROPERTY NUMBERS Total: 2</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	62247656
	PCT Number:	US1659195
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(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>		
<b>Phone:</b>	9122574864	
<b>Email:</b>	BROD.Assignments@jmi-iplaw.com	
<b>Correspondent Name:</b>	F. BRENT NIX, ESQ.	
<b>Address Line 1:</b>	JOHNSON, MARCOU & ISAACS, LLC	
<b>Address Line 2:</b>	P.O. BOX 691	
<b>Address Line 4:</b>	HOSCHTON, GEORGIA 30548	
<b>ATTORNEY DOCKET NUMBER:</b>	BROD-0850P_WP	
<b>NAME OF SUBMITTER:</b>	SUSAN FRATTURA	

<b>SIGNATURE:</b>	/Susan Frattura/
<b>DATE SIGNED:</b>	05/14/2019
<b>Total Attachments: 5</b> source=BI_2015_062_Corrective_Executed_Assignment_Regev_BROD_0850P_WP#page1.tif source=BI_2015_062_Corrective_Executed_Assignment_Regev_BROD_0850P_WP#page2.tif source=BI_2015_062_Corrective_Executed_Assignment_Regev_BROD_0850P_WP#page3.tif source=BI_2015_062_Corrective_Executed_Assignment_Regev_BROD_0850P_WP#page4.tif source=BI_2015_062_Corrective_Executed_Assignment_Regev_BROD_0850P_WP#page5.tif	

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1

Stylesheet Version v1.2

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
AVIV REGEV	10/21/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	THE BROAD INSTITUTE INC.
<b>Street Address:</b>	415 MAIN STREET
<b>City:</b>	CAMBRIDGE
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	02142
<b>Name:</b>	MASSACHUSETTS INSTITUTE OF TECHNOLOGY
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<b>City:</b>	CAMBRIDGE
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<b>Postal Code:</b>	02139
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<b>Application Number:</b>	62247656
<b>PCT Number:</b>	US1659195
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(240)359-4879
<b>Phone:</b>	912.257.4864
<b>Email:</b>	aness@jmi-iplaw.com
<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>	
<b>Correspondent Name:</b>	JOHNSON, MARCOU & ISAACS, LLC
<b>Address Line 1:</b>	317A EAST LIBERTY STREET
<b>Address Line 4:</b>	SAVANNAH, GEORGIA 31401
<b>ATTORNEY DOCKET NUMBER:</b>	BROD-0850WP
<b>NAME OF SUBMITTER:</b>	ANN NESS

<b>Signature:</b>	/Ann Ness/
<b>Date:</b>	11/01/2016
<b>Total Attachments: 3</b> source=Aviv_Regev_Assignment_BROD_0850WP#page1.tif source=Aviv_Regev_Assignment_BROD_0850WP#page2.tif source=Aviv_Regev_Assignment_BROD_0850WP#page3.tif	
<b>RECEIPT INFORMATION</b>  <b>EPAS ID:</b> PAT4122120 <b>Receipt Date:</b> 11/01/2016	

ASSIGNMENT

having a correspondence address of c/o 415 Main Street, Cambridge, MA 02142

I, Aviv Regev, ~~residing at 15A Ellsworth Ave., Cambridge MA 02139, USA~~, being the inventor(s) of certain improvements in the international application entitled: **MULTIPLEX ANALYSIS OF SINGLE CELL CONSTITUENTS** for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, hereby assign unto ~~THE BROAD INSTITUTE INC.~~ having a place of business at 415 Main Street, Cambridge MA 02142, USA, and I do hereby sell, assign and transfer, for myself and as agent for the Howard Hughes Medical Institute, unto said Assignee **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. 62/247,656 filed October 28, 2015 and a PCT International Application filed under the Patent Cooperation Treaty in the PCT United States Receiving Office (RO/US) on \_\_\_\_\_, identified as International Application No. \_\_\_\_\_, 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 ~~THE BROAD INSTITUTE INC.~~ and **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. 62/247,656, filed October 28, 2015, 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 ~~THE BROAD INSTITUTE INC.~~ and **MASSACHUSETTS INSTITUTE OF TECHNOLOGY** as the assignee of the entire

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4/23/19

THE  
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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. THE BROAD INSTITUTE, INC.

AR  
4/23/19

THE BROAD  
INSTITUTE,  
INC.

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4/23/19

I agree, at any time, upon the request of ~~THE BROAD INSTITUTE INC.~~ and MASSACHUSETTS INSTITUTE OF TECHNOLOGY to execute and to deliver to ~~THE BROAD INSTITUTE INC.~~ and MASSACHUSETTS INSTITUTE OF TECHNOLOGY any additional applications for patents for said inventions and discoveries, or any part or parts thereof, and any applications for patents of confirmation, registration and importation based on any Letters Patent issuing on said inventions, discoveries or applications, and divisions, continuations, renewals, revivals, reissues, reexaminations and extensions thereof.

THE BROAD  
INSTITUTE,  
INC.

AR  
4/23/19

I further agree, at any time, upon request of ~~THE BROAD INSTITUTE INC.~~ and MASSACHUSETTS INSTITUTE OF TECHNOLOGY, to execute and to deliver to ~~THE BROAD INSTITUTE INC.~~ and MASSACHUSETTS INSTITUTE OF TECHNOLOGY, such additional documents, if any, as are necessary or desirable to secure patent protection on said inventions, discoveries and applications throughout all countries of the world, and otherwise to do what is necessary to give full effect to and to perfect any and all rights of ~~THE BROAD INSTITUTE INC.~~ and MASSACHUSETTS INSTITUTE OF TECHNOLOGY, under this Assignment, including the execution, delivery and procurement of any and all further documents evidencing this assignment, transfer and sale as may be necessary or desirable.

THE BROAD  
INSTITUTE,  
INC.

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4/23/19

THE BROAD  
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In testimony of which I have hereupon affixed my signature it is my intention that this Assignment instrument be effective, and all rights transferred herein shall be considered to have vested in ~~THE BROAD INSTITUTE INC.~~ and MASSACHUSETTS INSTITUTE OF TECHNOLOGY as from the October 28, 2015 filing date of the first filed United States Provisional Application No. 62/247,656 from which priority is hereby claimed.

THE  
BROAD  
INSTITUTE,  
INC.

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4/23/19

I, Aviv Regev, hereby authorize the attorneys of record, Vedder Price P.C., to insert the PCT Application Serial No. for the instant application entitled MULTIPLEX ANALYSIS OF SINGLE CELL CONSTITUENTS, even if the PCT Application Serial No. and filing date are after the execution date of this document as this document is to be effective as to such a PCT Application.

10-21-16  
Date

  
Aviv Regev for myself and as agent of  
Howard Hughes Medical Institute

Commonwealth of Massachusetts )  
 ) SS  
COUNTY OF Middlesex )

I, Katherine E. Bauer, a Notary Public in and for the county and Commonwealth aforesaid, do hereby certify that Aviv Regev, personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that she signed and delivered the said instrument as her free and voluntary act for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal, this 21<sup>st</sup> day of October, 2016.

Katherine E. Bauer  
Notary Public

My Commission Expires:

7.14.17



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