

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
AVIV REGEV	08/15/2018
RECEIVING PARTY DATA	
Name:	THE BROAD INSTITUTE, INC.
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15468652
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SIGNATURE:	/Susan Frattura/
DATE SIGNED:	09/07/2018

Total Attachments: 2

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ASSIGNMENT

WHEREAS, I, **AVIV REGEV**, having a correspondence address of 415 Main Street, Cambridge, Massachusetts 02142, have invented with others certain inventions and improvements disclosed in patent applications entitled "**DELIVERY, USE AND THERAPEUTIC APPLICATIONS OF THE CRISPR-CAS SYSTEMS AND COMPOSITIONS FOR MODELING MUTATIONS IN LEUKOCYTES**," filed with the United States Patent and Trademark Office on March 24, 2017, and assigned U.S. Patent Application No. 15/468,652; and

WHEREAS, **THE BROAD INSTITUTE, INC.**, having a principal place of business at 415 Main Street, Cambridge, Massachusetts 02142, and **MASSACHUSETTS INSTITUTE OF TECHNOLOGY**, having a place of business at 77 Massachusetts Avenue, Cambridge, Massachusetts 02139, are desirous of acquiring an interest in the same;

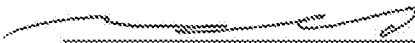
NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which I hereby acknowledge, I, **AVIV REGEV**, *by these presents, do sell, assign, and transfer, for myself and as agent for the Howard Hughes Medical Institute, unto said Assignees, THE BROAD INSTITUTE, INC. and the MASSACHUSETTS INSTITUTE OF TECHNOLOGY*, my full, exclusive, and entire right, title, and interest in and to said applications, 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 I 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 BROAD INSTITUTE, INC. and the MASSACHUSETTS INSTITUTE OF TECHNOLOGY**, for their interest and for the use and benefit of **THE BROAD INSTITUTE, INC. and the MASSACHUSETTS INSTITUTE OF TECHNOLOGY**, as assignee, and their assigns and legal representatives;

For the same consideration, I, by these presents, do sell, assign, and transfer to **THE BROAD INSTITUTE, INC. and the MASSACHUSETTS INSTITUTE OF TECHNOLOGY**, my 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 BROAD INSTITUTE, INC.** and the **MASSACHUSETTS INSTITUTE OF TECHNOLOGY**, or their designees insofar as permitted by applicable law;


AND, for the same consideration, I 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 BROAD INSTITUTE, INC.** and the **MASSACHUSETTS INSTITUTE OF TECHNOLOGY**, their 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, I hereunto set my hand and seal on the date indicated below.


8/15/18
Date
AVIV REGEV
*for myself and as agent of
Howard Hughes Medical Institute*

COMMONWEALTH OF MASSACHUSETTS
COUNTY OF MIDDLESEX

Before me, a Notary Public in and for the aforementioned state, on this 15th
day of August, 2018, personally appeared **AVIV REGEV**, who, being duly
sworn, signed and acknowledged the foregoing Assignment.

 **VIRGINIA JANE ROTH**
Notary Public
Commonwealth of Massachusetts
My Commission Expires
June 29, 2025


NOTARY PUBLIC

My Commission Expires: _____