

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JONATHAN GOOTENBERG	08/15/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	PRESIDENT AND FELLOWS OF HARVARD COLLEGE
<b>Street Address:</b>	17 QUINCY STREET
<b>City:</b>	CAMBRIDGE
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	02138
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15842073
<b>CORRESPONDENCE DATA</b>	
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<b>Address Line 4:</b>	HOSCHTON, GEORGIA 30548
<b>ATTORNEY DOCKET NUMBER:</b>	BROD-3470US
<b>NAME OF SUBMITTER:</b>	CHENAE M. BYRD
<b>SIGNATURE:</b>	/CHENAE M. BYRD/
<b>DATE SIGNED:</b>	08/27/2018
<b>Total Attachments: 2</b>	
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## ASSIGNMENT

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WHEREAS, I, **JONATHAN GOOTENBERG**, having a correspondence address of c/o 17 Quincy Street, Cambridge, Massachusetts 02138, have invented with others certain inventions and improvements disclosed in a patent application entitled “**NOVEL CRISPR ENZYMES AND SYSTEMS**,” filed with the United States Patent and Trademark Office on December 14, 2017 and assigned U.S. Patent Application No. 15/842,073; and

WHEREAS, **PRESIDENT AND FELLOWS OF HARVARD COLLEGE**, having a principal place of business at 17 Quincy Street, Cambridge, Massachusetts 02138, is desirous of acquiring an interest in the same; and

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which I hereby acknowledge, I, **JONATHAN GOOTENBERG**, *by these presents, do sell, assign, and transfer unto said Assignee, PRESIDENT AND FELLOWS OF HARVARD COLLEGE*, my 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 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 **PRESIDENT AND FELLOWS OF HARVARD COLLEGE**, for its interest and for the use and benefit of **PRESIDENT AND FELLOWS OF HARVARD COLLEGE**, as assignee, and its assigns and legal representatives;

For the same consideration, I, by these presents, do sell, assign, and transfer to **PRESIDENT AND FELLOWS OF HARVARD COLLEGE**, my 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 **PRESIDENT AND FELLOWS OF HARVARD COLLEGE**, or its 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 **PRESIDENT AND FELLOWS OF HARVARD COLLEGE**, 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, I hereunto set my hand and seal on the date indicated below.

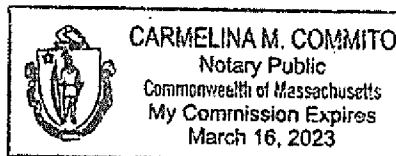
Jonathan Gootenberg 8/15/18  
JONATHAN GOOTENBERG Date

COMMONWEALTH OF MASSACHUSETTS  
COUNTY OF MIDDLESEX

Before me, a Notary Public in and for the aforementioned state, on this 15<sup>th</sup>  
day of August, 2018, personally appeared JONATHAN GOOTENBERG,  
who, being duly sworn, signed and acknowledged the foregoing Assignment.

Carmelina M. Commiato  
NOTARY PUBLIC

My Commission Expires: \_\_\_\_\_



[END OF SIGNATURE PAGE]