

PATENT ASSIGNMENT COVER SHEET

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NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
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	JAMES JOSEPH COLLINS	10/23/2018
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PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	15922837
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NAME OF SUBMITTER:	SUSAN FRATTURA	
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DATE SIGNED:	11/18/2018	
Total Attachments: 3		
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ASSIGNMENT

WHEREAS, we, **OMAR ABUDAYYEH**, having a correspondence address at c/o 77 Massachusetts Avenue, Cambridge, Massachusetts 02139 and **JAMES JOSEPH COLLINS**, having a correspondence address at c/o 77 Massachusetts Avenue, Cambridge, Massachusetts 02139, have invented with others certain inventions and improvements disclosed in a patent application entitled “**DEVICES FOR CRISPR EFFECTOR SYSTEM BASED DIAGNOSTICS**,” filed in the United States Patent and Trademark Office on March 15, 2018, and assigned U.S. Patent Application No. 15/922,837; 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, **OMAR ABUDAYYEH** and **JAMES JOSEPH COLLINS**, 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 patent application, in and to any divisions, continuations, reexaminations, and reissues thereof, and in and to all inventions and improvements disclosed and described in said patent application, preparatory to obtaining Letters Patent of the United States therefor; and we hereby request the Commissioner of Patent and Trademarks to issue any and all Letters Patent of the United States resulting from said application, or from a division, continuation, or reissue thereof, to the **MASSACHUSETTS INSTITUTE OF TECHNOLOGY**, as the assignee, for its interest and for the sole use and benefit of the **MASSACHUSETTS INSTITUTE OF TECHNOLOGY** and its assigns and legal representatives;

For the same consideration, we, by these presents, do 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 patent application, in whole or in part, in countries other than the United States, in and to any Letters

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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 designee insofar as permitted by applicable law;

AND, for the same consideration, we agree to sign all lawful papers, execute all divisions, continuations, reexaminations, reissues, 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, I hereunto set my hand and seal the day and year opposite my respective signature.

OMAR ABUDAYYEH DATE

COMMONWEALTH OF MASSACHUSETTS
COUNTY OF MIDDLESEX

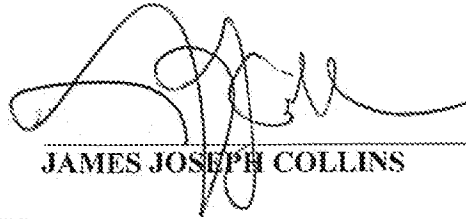
Before me, a Notary Public in and for the aforementioned state, on this _____ day of _____, 20__, personally appeared **OMAR ABUDAYYEH**, who, being duly sworn, signed and acknowledged the foregoing Assignment.

NOTARY PUBLIC

My Commission Expires: _____

[SIGNATURES CONTINUED ON NEXT PAGE]


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JAMES JOSEPH COLLINS 23 Oct 18 DATE

COMMONWEALTH OF MASSACHUSETTS
COUNTY OF MIDDLESEX

Before me, a Notary Public in and for the aforementioned state, on this 23rd
day of October, 2018 personally appeared JAMES JOSEPH COLLINS, who,
being duly sworn, signed and acknowledged the foregoing Assignment.




NOTARY PUBLIC

My Commission Expires: 6/20/25

[END OF SIGNATURE PAGE]