

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4385309

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ERIC LANDER	06/06/2016
RECEIVING PARTY DATA	
Name:	THE BROAD INSTITUTE INC.
Street Address:	415 MAIN STREET
City:	CAMBRIDGE
State/Country:	MASSACHUSETTS
Postal Code:	02142
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15482603
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NAME OF SUBMITTER:	JOSHUA HAMLET
SIGNATURE:	/Joshua Hamlet/
DATE SIGNED:	04/26/2017
Total Attachments: 2	
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ASSIGNMENT

I, Eric Lander, residing at: 74R Fayerweather Street, Cambridge, MA 02138, USA, being the inventor(s) of certain improvements in the international application entitled: **NOVEL CRISPR ENZYMES AND SYSTEMS** 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, 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. 62/320,231 filed April 8, 2016 and a PCT International Application filed under the Patent Cooperation Treaty in the PCT United States Receiving Office (RO/US) on June 17, 2016 identified as International Application No. PCT/US2016/038258, 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.**, 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. 62/320,231 filed April 8, 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 **THE BROAD INSTITUTE INC.** 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.

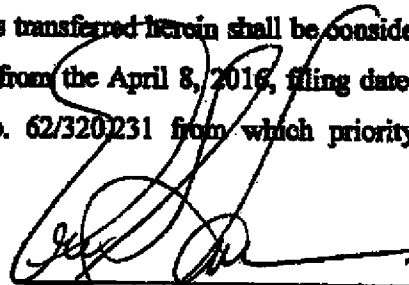
I agree, at any time, upon the request of **THE BROAD INSTITUTE INC.** to execute and to deliver to **THE BROAD INSTITUTE INC.** any additional applications for patents for said inventions and discoveries, or any part or parts thereof, and any applications for patents of

confirmation, registration and inaportation based on any Letters Patent issuing on said inventions, discoveries or applications, and divisions, continuations, renewals, revivals, reissues, reexaminations and extensions thereof.

I further agree, at any time, upon request of **THE BROAD INSTITUTE INC.**, to execute and to deliver to **THE BROAD INSTITUTE INC.**, 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.**, 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.

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.** as from the April 8, 2016, filing date of the first filed United States Provisional Application No. 62/320231 from which priority is hereby claimed.

6/6/16
Date


Eric Lander

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 Eric Lander, 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 he signed and delivered the said instrument as his 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 6th day of June, 2016.



NEWYORKW423001.1

Katherine E. Bauer
Notary Public
My Commission Expires: 7.14.17