

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT4337779

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
FENG ZHANG	08/12/2016
RECEIVING PARTY DATA	
Name:	THE BROAD INSTITUTE INC.
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15467949
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NAME OF SUBMITTER:	CHRISTINA COLOCOTRONIS
SIGNATURE:	/CHRISTINA COLOCOTRONIS/
DATE SIGNED:	03/27/2017

Total Attachments: 3

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ASSIGNMENT

I, Feng Zhang, residing at: 100 Pacific Street, Apt. 11, Cambridge, MA 02139 USA, being the inventor(s) of certain improvements in the international application entitled: **USE AND PRODUCTION OF CHD8+/- TRANSGENIC ANIMALS WITH BEHAVIORAL PHENOTYPES CHARACTERISTIC OF AUTISM SPECTRUM DISORDER** 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 **MASSACHUSETTS INSTITUTE OF TECHNOLOGY**, having a place of business at 77 Massachusetts Ave., Cambridge, MA 02139, 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 Nos. 62/054,675, filed September 24, 2014, 62/181,002, and 62/180,859 filed June 17, 2015, and a PCT International Application filed under the Patent Cooperation Treaty in the PCT United States Receiving Office (ROIUS) on September 23, 2015, identified as International Application No. PCT/US2015/051691, 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 Nos. 62/054,675, filed September 24, 2014, and 62/181,002 and 62/180,859, filed June 17, 2015, and all rights of priority in any country of the world deriving from the above-identified International Application.

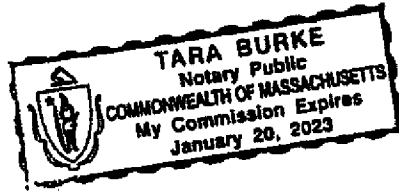
I hereby authorize and request the competent authorities to grant and to issue any and all such Letters Patent in any country throughout the world to **THE BROAD INSTITUTE INC.**, and **MASSACHUSETTS INSTITUTE OF TECHNOLOGY** as the assignee of the entire

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Patent
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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 12 day of August, 2016.



A handwritten signature in black ink, appearing to be "Tara Burke", written over a horizontal line.

Notary Public

My Commission Expires:

1/20/23

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