

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4794874

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
GUANGPING GAO	03/31/2017
PHILLIP D. ZAMORE	04/03/2017
SHAOYONG LI	04/01/2017
HOWARD HUGHES MEDICAL INSTITUTE	04/03/2017
RECEIVING PARTY DATA	
Name:	UNIVERSITY OF MASSACHUSETTS
Street Address:	225 FRANKLIN STREET
City:	BOSTON
State/Country:	MASSACHUSETTS
Postal Code:	02110
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15306543
CORRESPONDENCE DATA	
Fax Number:	(617)646-8646
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	617-646-8000
Email:	PATENTS_KEVINM@WOLFGREENFIELD.COM
Correspondent Name:	KEVIN MACDONALD
Address Line 1:	WOLF GREENFIELD & SACKS, P.C.
Address Line 2:	600 ATLANTIC AVENUE
Address Line 4:	BOSTON, MASSACHUSETTS 02210
ATTORNEY DOCKET NUMBER:	U0120.70063US02
NAME OF SUBMITTER:	KEVIN MACDONALD
SIGNATURE:	/Kevin MacDonald/
DATE SIGNED:	01/26/2018
Total Attachments: 5	
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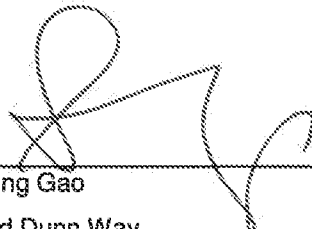
ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I, the undersigned Assignor, hereby:

1. Sell, assign and transfer to **University of Massachusetts**, having a place of business at 225 Franklin Street; Boston, Massachusetts 02110, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, my entire right, title and interest for the United States and all foreign countries, in and to any and all inventions and designs which are disclosed in the application for United States Letters Patent filed in the United States Patent and Trademark Office on **October 25, 2016** under No. **15/306,543**, bearing Attorney Docket No. **U0120.70063US02**, and entitled **RECOMBINANT AAV VECTORS USEFUL FOR REDUCING IMMUNITY AGAINST TRANSGENE PRODUCTS**, and in and to the application and all corresponding provisional, non-provisional, divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent, utility models, industrial designs or similar intellectual property rights which have been or shall be filed in the United States, internationally, and in any foreign country, including but not limited to China, Japan and Korea, on any of the inventions; and in and to all original and reissued patents which have been or shall be issued in the United States or any other jurisdiction on the inventions, including the right to apply for patent rights in each foreign country and all rights to priority, including the right to claim priority for China, Japan and Korea, as well as the right to sue in its own name and recover damages for past infringement of any United States Letters Patent and foreign patent;
2. Agree that the Assignee may apply for and receive Letters Patent and utility model and industrial design registrations for the inventions in its own name; and when requested, without charge to but at the expense of the Assignee, I agree to carry out in good faith the intent and purpose of this assignment, by executing all non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent, utility model and industrial design applications on any and all the inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to the Assignee all facts known to me relating to the inventions and the history thereof, and generally by doing everything reasonably possible which the Assignee shall consider desirable for aiding in securing and maintaining proper protection for the inventions and for vesting title to the inventions and all applications for patents and all patents on the inventions, in the Assignee;
3. Request the Director of the United States Patent and Trademark Office to issue the Letters Patent to the Assignee;
4. Authorize and request Wolf, Greenfield & Sacks, P.C. to supply any missing patent/application identification information or correct any errors in the patent/application identification information provided above, whether discovered prior to or after recordation;
5. Covenant with the Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me; and
6. Appoint Assignee, through its designee, my attorney-in-fact to execute, in my name and on my behalf, any and all documents required to effectuate this Assignment, specifically including, but not limited to, those documents specified above and any necessary corrective assignments.

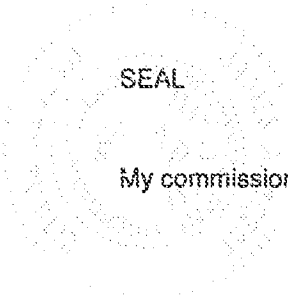
This instrument is executed under seal and signed under the pains and penalties of perjury under the laws of the United States of America.

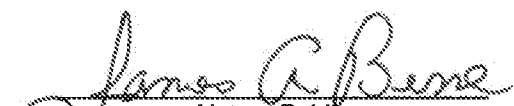
3/31/2017
Date


Inventor: Guangping Gao
Address: 4 Edward Dunn Way
Westborough, Massachusetts 01581
Citizenship: US

STATE/Commonwealth of MASSACHUSETTS
COUNTY OF WORCESTER

On this 31st day of MARCH, 2017, before me, the undersigned notary public, personally appeared Guangping Gao, proved to me through satisfactory evidence of identification, which were Personally known, to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.




Notary Public
My commission expires: 5/30/19

4/3/17

Date

[Handwritten Signature]

Inventor: Phillip D. Zamore

For himself and as an agent for Howard Hughes Medical Institute

Address: 500 Green Street
Northborough, MA 01605

Citizenship: US

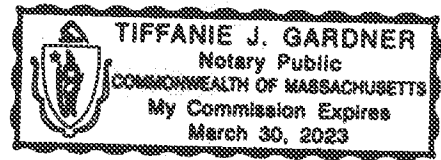
STATE/Commonwealth of Massachusetts
COUNTY OF Worcester

On this 3rd day of April, 2017, before me, the undersigned notary public, personally appeared Phillip D. Zamore, proved to me through satisfactory evidence of identification, which were license, to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

SEAL

[Handwritten Signature]
Notary Public

My commission expires: March 30, 2023

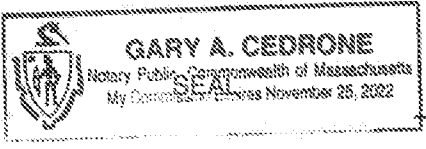


4/11/2017
Date

Shaoyong Li
Inventor: Shaoyong Li
Address: 15 Autumn Ridge Dr.
Hopkinton, Massachusetts 01748
Citizenship: People's Republic of China

STATE/Commonwealth of MASSACHUSETTS
COUNTY OF MIDDLESEX:

On this 1st day of APRIL, 2017, before me, the undersigned notary public, personally appeared Shaoyong Li, proved to me through satisfactory evidence of identification, which were MA DRIVER'S LICENSE, to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.



Gary A. Cedrone
Notary Public

My commission expires: November 25, 2022

APPOINTMENT OF INVESTIGATOR AS AGENT

Appointment by the Howard Hughes Medical Institute ("HHMI") of Phillip David Zamore, PhD, an employee of HHMI, as its agent for the purpose of assigning certain rights to University of Massachusetts ("Institution").

WHEREAS, HHMI and Institution collaborate in the active conduct of medical research pursuant to an Agreement between them dated as of September 1, 2013 (the "Agreement");

WHEREAS, pursuant to the Agreement, HHMI has agreed to assign to Institution HHMI's rights in Subject Property (as defined in the Agreement) in accordance with an subject to the conditions of the Agreement;


WHEREAS, research conducted pursuant to the Agreement by Phillip David Zamore, PhD while employed by HHMI at Institution has resulted in the invention of a certain Subject Property entitled "miRNA-Mediated Transcriptional Detargeting to Reduce Transgene Immunity," which may be the subject of a patent application (the "Invention"), and the Invention is a Subject Property; and

WHEREAS, HHMI wishes Phillip David Zamore, PhD to act as its agent for the purpose of assigning to Institution the rights HHMI has in the Invention by reason of the research program conducted at Institution.

NOW THEREFORE, HHMI hereby appoints Phillip David Zamore, PhD as its agent for the purpose of assigning the rights HHMI has or may acquire in the Invention to Institution in accordance with and subject to the conditions of the Agreement.

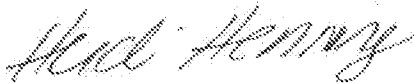
Executed: December 3, 2013

HOWARD HUGHES MEDICAL INSTITUTE

By: 

Erin K. O'Shea, PhD
Vice President and Chief Scientific Officer

ATTESTED:



Heidi Henning
Vice President and General Counsel

UMMC 14-22
HHMI 05588