

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6082745

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
GUANGPING GAO	11/21/2017
PHILLIP D. ZAMORE	11/29/2017
DAN WANG	11/21/2017
HOWARD HUGHES MEDICAL INSTITUTE	11/29/2017
RECEIVING PARTY DATA	
Name:	UNIVERSITY OF MASSACHUSETTS
Street Address:	ONE BEACON STREET
Internal Address:	31ST FLOOR
City:	BOSTON
State/Country:	MASSACHUSETTS
Postal Code:	02108
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16775311
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:	6176468000
Email:	patents_KevinM@wolfgreenfield.com
Correspondent Name:	KEVIN MACDONALD
Address Line 1:	WOLF GREENFIELD & SACKS PC
Address Line 2:	600 ATLANTIC AVENUE
Address Line 4:	BOSTON, MASSACHUSETTS 02210
ATTORNEY DOCKET NUMBER:	U0120.70069US02
NAME OF SUBMITTER:	MELISSA SIMPSON
SIGNATURE:	/Melissa Simpson/
DATE SIGNED:	04/29/2020
Total Attachments: 6	

source=U012070069US02-AS11-KZM#page1.tif
source=U012070069US02-AS11-KZM#page2.tif
source=U012070069US02-AS11-KZM#page3.tif
source=U012070069US02-AS11-KZM#page4.tif
source=U012070069US02-AS11-KZM#page5.tif
source=U012070069US02-AS11-KZM#page6.tif

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 **One Beacon Street, 31st. Floor, Boston, Massachusetts 02108**, 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 patent application for United States Letters Patent filed in the United States Patent and Trademark Office on **August 11, 2017** under No. **15/550,452**, bearing Attorney Docket No. **U0120.70069US01**, and entitled **COMPOSITIONS AND METHODS FOR TRANSIENT DELIVERY OF NUCLEASES**, 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 designs; 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 and designs, 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, including a reasonable royalty relating to provisional rights under 35 U.S.C. § 154(d) that have attached to any published United States patent application, on the inventions and designs;

2. Agree that the Assignee may apply for and receive Letters Patent and utility model and industrial design registrations for the inventions and designs in its own name; and when requested, without charge to but at the expense of the Assignee, 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 and designs, 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 designs 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 designs and for vesting title to the inventions and designs and all applications for patents and all patents on the inventions and designs, in the Assignee;

3. Request the Director of the United States Patent and Trademark Office and foreign patent authorities to issue the Letters Patent or other intellectual property rights, including foreign patents, to the Assignee;

4. Authorize and request Wolf, Greenfield & Sacks, P.C. to supply any missing application identification information or correct any errors in the application identification information provided above, whether discovered prior to or after recordation;

Attorney Docket No. **U0120.70069US01**

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.

Attorney Docket No. U0120.70069US01

5846934.1

2

PATENT
REEL: 052520 FRAME: 0313

11/21/2017
Date

[Signature]
Inventor: Guangping Gao

Address: 4 Edward Dunn Way

Westborough, Massachusetts 01581

Citizenship: US

STATE/COMMONWEALTH OF MASSACHUSETTS

COUNTY OF WORCESTER

On this 21st day of November, 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.

SEAL

[Signature]
Notary Public

My commission expires:

MAY 30, 2019

Attorney Docket No. U0120.70069US01

5846934.1

29 Nov 2017
Date

Inventor: Phillip D. Zamore
For himself and as Agent for Howard Hughes
Medical Institute

Address: 500 Green Street
Northborough, MA 01605

Citizenship: US

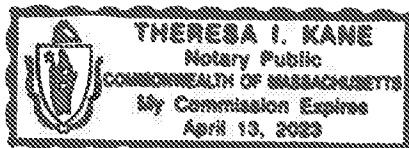
STATE/Commonwealth of Massachusetts
COUNTY OF Worcester:

On this 29 day of November, 2017, before me, the undersigned notary public,
personally appeared Phillip D. Zamore, proved to me through satisfactory evidence of
identification, which were MA State 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

Theresa I. Kane
Notary Public

My commission expires: 4/13/23



Attorney Docket No. U0120.70069US01

11/21/2017
Date

Inventor: Dan Wang

Address: 6 Dogwood Drive

Belchertown, Massachusetts 01007

Citizenship: People's Republic of China

STATE/COMMONWEALTH OF MASSACHUSETTS
COUNTY OF WORCESTER

On this 21st day of November, 2017, before me, the undersigned notary public,
personally appeared Dan Wang, 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.

SEAL

James A. Bess
Notary Public

My commission expires: MAY 30, 2019

Attorney Docket No. U0120.70069US01

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 and 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 "Transient Delivery of Designer Nuclease Protein Using Viral Vectors for Safer Gene Editing," 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: February 10, 2015

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 15-34
HHMI 05881