

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
CRAIG CAMERON MELLO	06/28/2019
KRISHNA SUMANTH GHANTA	06/29/2019
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:	17818226
CORRESPONDENCE DATA	
Fax Number:	(857)300-4001
<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:	(857) 300-4000
Email:	leslie.roberts@lathropgpm.com, internalip@lathropgpm.com
Correspondent Name:	LATHROP GPM LLP
Address Line 1:	28 STATE STREET
Address Line 2:	7TH FLOOR
Address Line 4:	BOSTON, MASSACHUSETTS 02109
ATTORNEY DOCKET NUMBER:	728631: UM9-229CIPUSCON
NAME OF SUBMITTER:	JAMES H. VELEMA, ESQ.
SIGNATURE:	/James H. Velema/
DATE SIGNED:	11/20/2023
Total Attachments: 6	
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ASSIGNMENT

WHEREAS, we, **Craig Cameron Mello** of Barrington, RI, and **Krishna Sumanth Ghanta** of Grafton, MA, have invented a certain new and useful invention entitled:

COMPOSITIONS AND METHODS FOR IMPROVED GENE EDITING

U.S. Provisional Patent Application Serial No.: 62/864,075, filed June 20, 2019

and for which we are about to make or have made application for Letters Patent of the United States; and

WHEREAS, **UNIVERSITY OF MASSACHUSETTS**, a corporation having its principal place of business at One Beacon Street, 31st Floor, Boston, Massachusetts, 02108, United States, is desirous of acquiring all rights, title and interest in and to said inventions, said applications, and in and to any and all Letters Patents which may be granted for or upon said invention and applications in the United States of America and anywhere in the world.

NOW THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we, **Craig Cameron Mello** and **Krishna Sumanth Ghanta**, have sold, assigned and transferred, and by these presents to sell, assign and transfer unto the said **UNIVERSITY OF MASSACHUSETTS**, the full and exclusive right, title and interest, throughout the world, in, to and under the following:

- (a) the inventions as set forth and described, for example, in the patent application specifications identified above;
- (b) all patent applications identified above;
- (c) any and all patent applications, including Patent Cooperation Treaty (PCT) applications, directed to the inventions as set forth and described, for example, in the patent application specifications identified above;

- (d) any and all refilings, divisions, continuations, and continuations-in-part of those patent applications;
- (e) any and all patents of the United States of America which may issue from any of the above items;
- (f) any and all reissue and reexamination certificates of those patents;
- (g) any and all applications for the inventions filed in any and all countries foreign to the United States of America;
- (h) any and all refilings, divisions, and continuations of those foreign-filed applications;
- (i) any and all patents, certificates, and registrations of countries foreign to the United States of America which may issue from those foreign-filed applications, refilings, divisions, and continuations;
- (j) any and all extensions of, and additions to, the foreign-filed applications and patents, certificates, and registrations related thereto;
- (k) the right to claim priority to any of the foregoing; and
- (l) any and all claims, causes of action, and damages for past, present, and future infringement or other unauthorized use of the above items, along with the right to sue and to collect damages and other relief from any and all parties.

We, **Craig Cameron Mello** and **Krishna Sumanth Ghanta** further agree that we will promptly execute and deliver to **UNIVERSITY OF MASSACHUSETTS** or its legal representatives any and all papers, instruments, and affidavits required to apply for, obtain, maintain, issue, and enforce all of the items listed above.

All of the above shall be held and enjoyed by **UNIVERSITY OF MASSACHUSETTS**, and its successors, legal representatives, and assigns for their own use and benefit, for the full term for which the protections listed above may be granted, and **Craig Cameron Mello** and **Krishna Sumanth Ghanta** authorize and request the Commissioner of Patents and Trademarks of the United States and of all foreign countries to issue any Patents granted for said inventions, whether on an application for

said invention set forth above, or on any subsequently filed provisional, non-provisional, divisional, continuation, continuation-in-part, reissue, or other related application, to **UNIVERSITY OF MASSACHUSETTS**, its successors and assigns, as the assignee of their entire interest in said inventions and applications.

Assignor:

Craig Cameron Mello

Craig Cameron Mello
Signature

06/08/2019
Date

Signed in my presence and acknowledged to be an assignment of the application herein above referred to:

WITNESS

Nicole Inez Grace - Worcester / Massachusetts
Signed At (City/State)

Nicole Inez Grace
Name

Nicole Inez Grace
Signature

06/28/2019
Date

Assignor:

Krishna Sumanth Ghanta

Sumanth
Signature

06/26/2019
Date

Signed in my presence and acknowledged to be an assignment of the application herein above referred to:

WITNESS

Worcester, MA. 01605
Signed At (City/State)

Nicole L. Grace
Name

Nicole L. Grace
Signature

6/24/2019
Date

Assignee:

UNIVERSITY OF MASSACHUSETTS

James P. McNamara
Signature

6/25/19
Date:

James P. McNamara, Ph.D.

Executive Director, OTM

Name and Title:

Signed in my presence and acknowledged to be an assignment of the application herein above referred to:

WITNESS

Worcester, MA
Signed At (City/State)

R. Gail Russell
Name

R. Gail Russell
Signature

6/25/19
Date