

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ANASTASIA KHVOROVA	09/06/2016
MEHRAN NIKAN	10/26/2016
MATTHEW HASSLER	09/01/2016
MAIRE OSBORN	09/01/2016
REKA HARASZTI	09/02/2016
ANDREW COLES	09/01/2016
ANTON TURANOV	09/02/2016
NEIL ARONIN	09/01/2016
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: 2	
Property Type	Number
Application Number:	16322212
Application Number:	18170167
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@lathrogpm.com, internalip@lathrogpm.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:	609607 AND 739944

PATENT

NAME OF SUBMITTER:	JAMES H. VELEMA, ESQ.
SIGNATURE:	/James H. Velema/
DATE SIGNED:	02/16/2023
Total Attachments: 6 source=584066- UM9-215-1 - Executed Assignment#page1.tif source=584066- UM9-215-1 - Executed Assignment#page2.tif source=584066- UM9-215-1 - Executed Assignment#page3.tif source=584066- UM9-215-1 - Executed Assignment#page4.tif source=584066- UM9-215-1 - Executed Assignment#page5.tif source=584066- UM9-215-1 - Executed Assignment#page6.tif	

ASSIGNMENT

WHEREAS, we, **Anastasia Khvorova** of Westborough, Massachusetts, **Mehran Nikan** of Boston, Massachusetts, **Matthew Hassler** of Worcester, Massachusetts, **Maire Osborn** of Boston, Massachusetts, **Reka Haraszti** of Boston, Massachusetts, **Andrew Coles** of Boston, Massachusetts, **Anton Turanov** of Boston, Massachusetts, and **Neil Aronin** of Newtonville, Massachusetts have invented a certain new and useful invention entitled:

BIOACTIVE CONJUGATES FOR OLIGONUCLEOTIDE DELIVERY

U.S. Serial No.: 62/374,499, filed August 12, 2016

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 of America, is desirous of acquiring all rights, title and interests in and to said invention, said applications, and in and to any and all Letters Patent 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, **Anastasia Khvorova, Mehran Nikan, Matthew Hassler, Maire Osborn, Reka Haraszti, Andrew Coles, Anton Turanov and Neil Aronin**, have sold, assigned and transferred, and by these presents do 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) said invention as fully set forth and described in the specification prepared, and executed by us preparatory to obtaining Letters Patent of the United States therefor;

- (b) said applications;
- (c) any and all re-filings, divisions, continuations and continuations-in-part of said applications;
- (d) any and all Letters Patent of the United States of America which may issue from said applications, re-filings, divisions, continuations and continuations-in-part;
- (e) any and all reissues and reexaminations of said Letters Patent of the United States of America;
- (f) any and all applications for Letters Patent upon said invention which may hereafter be filed in any and all countries foreign to the United States of America;
- (g) any and all re-filings, divisions and continuations of said foreign-filed applications;
- (h) all claims, causes of action and damages for past infringement, if any, of said application;
- (i) any and all Letters Patent of countries foreign to the United States of America which may issue from the said foreign-filed applications, re-filings, divisions and continuations; and
- (j) any and all extensions of, and additions to, said Letters Patent of countries foreign to the United States of America.

We, **Anastasia Khvorova, Mehran Nikan, Matthew Hassler, Maire Osborn, Reka Haraszti, Andrew Coles, Anton Turanov and Neil Aronin** further agree that upon request we will provide promptly all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to **University of Massachusetts** or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

ALL of the above shall be held and enjoyed by said University of Massachusetts, for its own use and benefit, and for its successors, legal representatives and assigns, to the full end of the term for which said Letters Patent may be granted, and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue the said Letters Patent in accordance with this Assignment.

This Assignment to have effect as of the filing date of August 12, 2016.

9. 6. 16
Date _____
Anastasia Khvorova

Witness: _____ Date 9/16/2016

_____ Date _____
Mehran Nikan

Witness: _____ Date _____

ALL of the above shall be held and enjoyed by said **University of Massachusetts**, for its own use and benefit, and for its successors, legal representatives and assigns, to the full end of the term for which said Letters Patent may be granted, and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue the said Letters Patent in accordance with this Assignment.

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Date

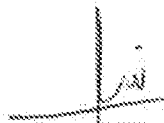
Anastasia Khvorova

Witness: _____

Date _____

10.26.16

Date



Mehran Nikan

Witness: H. Brad Wan

Date 10-26-2016

9/01/2016
Date

Matthew Hassler
Matthew Hassler

Witness: [Signature]

Date 9/1/2016

9/1/2016
Date

Maire Osborn
Maire Osborn

Witness: [Signature]

Date 9/1/2016

9/2/2016
Date

Reka Haraszti
Reka Haraszti

Witness: [Signature]

Date 9/2/2016

9/1/2016
Date

Andrew Coles
Andrew Coles

Witness: [Signature]

Date 9/1/2016

9/02/2016
Date

Turanov
Anton Turanov

Witness: [Signature]

Date 9/2/2016

9/1/2016
Date

Neil Aronin
Neil Aronin

Witness: [Signature]

Date 9/1/2016