

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT7131658

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ANASTASIA KHVOROVA	10/05/2018
JULIA ALTERMAN	10/05/2018
SARAH DAVIS	09/26/2018
ANTON TURANOV	09/28/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	UNIVERSITY OF MASSACHUSETTS
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<b>City:</b>	BOSTON
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	02108
<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	17580269
<b>Application Number:</b>	16550076
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	616107 AND 725676
<b>NAME OF SUBMITTER:</b>	JAMES H. VELEMA, ESQ.
<b>SIGNATURE:</b>	/James H. Velema/
<b>DATE SIGNED:</b>	01/20/2022

**Total Attachments: 8**

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**ASSIGNMENT**

WHEREAS, we, Anastasia Khvorova of Westborough, MA, Julia Alterman of Worcester, MA, Sarah Davis of Boston, MA, and Anton Turanov of Boston, MA, have invented a certain new and useful invention entitled:

**O-METHYL RICH FULLY STABILIZED SIRNA**

**U.S. Provisional Patent Application Serial No.: 62/721,993, filed August 23, 2018**

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, 31<sup>st</sup> 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, Anastasia Khvorova, Julia Alterman, Sarah Davis, and Anton Turanov 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.

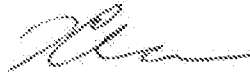
We, **Anastasia Khvorova, Julia Alterman, Sarah Davis, and Anton Turanov** further agree that we will promptly execute and deliver to **UNIVERSITY OF MASSACHUSETTS** or its legal representatives any and all papers, instruments, and affidavits required to apply for, obtain, maintain, issue, and enforce 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 **Anastasia Khvorova, Julia Alterman, Sarah Davis, and Anton Turanov** 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:

Anastasia Khvorova

  
Signature

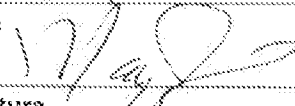
10/5/18  
Date:

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

WITNESS

Worcester, MA  
Signed At (City/State)

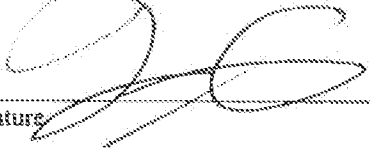
Mary Beth Dziejewicz  
Name

  
Signature

10/5/2018  
Date

Assignor:

Julia Alterman

Signature 

Date: 10/5/18

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

WITNESS

Signed At (City/State) Worcester, MA

Name Mary Beth Dziewietn

Signature 

Date 10/5/2018

Assignor:

Sarah Davis

Sarah Davis  
Signature

26 sep 18  
Date:

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

WITNESS

Worcester, MA

Signed At (City/State)

Mary Beth Traubert

Name

Mary Beth Traubert  
Signature

9/26/2018

Date



Assignor:

Anton Turanov

Turanov  
Signature

09/26/2018  
Date:

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

WITNESS

Worcester, MA  
Signed At (City/State)

Mary Beth Dzwietio  
Name

[Signature]  
Signature

9/26/2018  
Date

Assignee:

UNIVERSITY OF MASSACHUSETTS

James P. McNamara  
Signature

Sept. 27, 2018  
Date

James P. McNamara, Ph.D.  
Name and Title: Executive Director, OTM

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

Sept. 27, 2018  
Date