

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT7768546

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
YI-TAO YU	04/08/2019
HIRONORI ADACHI	04/08/2019
MEEMANAGE DE ZOYSA	04/08/2019
<b>RECEIVING PARTY DATA</b>	
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<b>City:</b>	ROCHESTER
<b>State/Country:</b>	NEW YORK
<b>Postal Code:</b>	14642
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	17041148
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	4430.0070001
<b>NAME OF SUBMITTER:</b>	JAIME M. CANAVES
<b>SIGNATURE:</b>	/Jaime M. Canaves, Reg. No. 63929/
<b>DATE SIGNED:</b>	01/30/2023
<b>Total Attachments: 4</b>	
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source=4430-0070001-Assignment-inventors-UR#page4.tif	

## ASSIGNMENT AND CONFIRMATION OF ASSIGNMENT OF PATENT RIGHTS

WHEREAS, We, Yi-Tao Yu, Hironori Adachi, and Meemanage De Zoysa (hereinafter "ASSIGNORS") have invented one or more inventions described in an application filed in the United States Patent and Trademark Office of the World Intellectual Property Organization in accordance with the Patent Cooperation Treaty (PCT) on March 27, 2019, and assigned International Patent Application No. PCT/US2019/024282, entitled, "Nucleic Acid Molecules for Pseudouridylation," and

WHEREAS, University of Rochester, a university at 601 Elmwood Avenue, Box URV, Rochester, NY 14642 (hereinafter "ASSIGNEE"), desires to acquire an interest therein, in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern, be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNORS confirm that we have sold, assigned and transferred and/or by these presents we do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, which ASSIGNEE accepts, ASSIGNORS entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to the invention(s) described in said applications, together with ASSIGNORS entire right, title and interest in and to said applications and such Letters Patent as may issue thereon or claim priority under United States law or international convention, including but not limited to United States Patent Application No. 62/648,648, filed March 27, 2018, non-provisionals, continuations, continuations-in-part, divisionals, reissues, reexaminations, extensions, and substitutions of said applications or such Letters Patent, and any right, title and interest ASSIGNORS may have in patent applications to which said applications claim priority; said invention(s), application(s) and Letters Patent(s) to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by ASSIGNORS had this assignment and sale not been made; ASSIGNORS have conveyed or do hereby convey all rights arising under or pursuant to any and all United States laws and international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent, including but not limited to any cause(s) of action and damages accruing prior to this assignment. ASSIGNORS hereby acknowledge that this assignment, being ASSIGNORS entire right, title and interest in and to said invention(s), carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all Letters Patent to ASSIGNEE in its own name as assignee of our entire right, title and interest therein;

AND, ASSIGNORS hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention(s) to said ASSIGNEE, its successors, assigns, and legal representatives, but at its or their expense and charges, including the execution of non-provisional, substitution, continuation, continuation-in-

part, divisional, reissue, reexamination, or corresponding foreign or international patent applications;

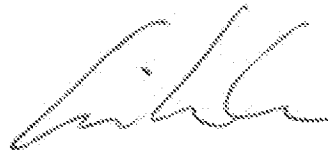
AND, ASSIGNORS hereby further agree to provide statements or testimony in any proceeding in which said invention(s) or any application or patent directed thereto may be involved;

AND, ASSIGNORS hereby authorize ASSIGNEE or its attorneys or agents to insert the correct serial number and filing date into this assignment, if none is indicated on the date of our execution of this assignment;

AND, ASSIGNORS hereby authorize and request the Director of the United States Patent and Trademark Office and the empowered officials of all other governments to issue such Letters Patent as shall be granted upon said applications, or applications based thereon, to said ASSIGNEE, its successors, assigns, or legal representatives.

IN TESTIMONY WHEREOF, we, along with ASSIGNEE's legal representative, have hereunto set our hands and affixed our seals on the date(s) set forth below.

**ASSIGNORS**




Yi-Tao Yu

Date: April 8, 2019

United States of America )  
 ) ss.:  
County of Monroe )

On this 8<sup>th</sup> day of April, 2019, before me personally came Yi-Tao Yu, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

  
Notary Public

Erin E Mierke  
Notary Public-State of New York  
Monroe County, Reg#01MI6289501  
My Commission Expires September 30, 2021

Hironori Adachi

Hironori Adachi

Date: April 8<sup>th</sup>, 2019

United States of America )

County of Monroe ) ss.:

On this 8<sup>th</sup> day of April, 2019, before me personally came Hironori Adachi, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

[Signature]  
Notary Public

Erin E Miterko  
Notary Public-State of New York  
Monroe County, Reg#01MI6289501  
My Commission Expires September 30, 2021

[Signature]  
Meemanage De Zoysa

Date: April 8<sup>th</sup>, 2019

United States of America )

County of Monroe ) ss.:

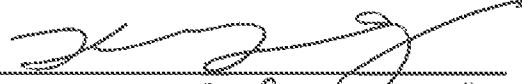
On this 8<sup>th</sup> day of April, 2019, before me personally came Meemanage De Zoysa, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.


[Signature]  
Notary Public

Erin E Miterko  
Notary Public-State of New York  
Monroe County, Reg#01MI6289501  
My Commission Expires September 30, 2021

Accepted by:

ASSIGNEE'S AUTHORIZED REPRESENTATIVE

Date: April 8, 2019   
(Cynthia Zhang, Sr. Patent Counsel)  
(Name/title at University of Rochester)

Witnessed by:  Erin E Miterko  
(Signature of Witness) (Print Name of Witness)

Date of  
Witness: April 8, 2019