

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Ruben L. GONZALEZ</td> <td>03/08/2013</td> </tr> <tr> <td>Samuel H. STERNBERG</td> <td>03/07/2013</td> </tr> <tr> <td>Dileep K. PULUKKUNAT</td> <td>03/11/2013</td> </tr> </tbody> </table>		Name	Execution Date	Ruben L. GONZALEZ	03/08/2013	Samuel H. STERNBERG	03/07/2013	Dileep K. PULUKKUNAT	03/11/2013
Name	Execution Date								
Ruben L. GONZALEZ	03/08/2013								
Samuel H. STERNBERG	03/07/2013								
Dileep K. PULUKKUNAT	03/11/2013								
RECEIVING PARTY DATA									
Name:	The Trustees of Columbia University in the City of New York								
Street Address:	412 Low Memorial Library								
Internal Address:	535 West 116th Street								
City:	New York								
State/Country:	NEW YORK								
Postal Code:	10027								
PROPERTY NUMBERS Total: 2									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13407438</td> </tr> <tr> <td>Application Number:</td> <td>61447646</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13407438	Application Number:	61447646		
Property Type	Number								
Application Number:	13407438								
Application Number:	61447646								
CORRESPONDENCE DATA									
Fax Number:									
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	212-230-8800								
Email:	eunice.kim@wilmerhale.com								
Correspondent Name:	Jane M. Love, Ph.D.								
Address Line 1:	7 World Trade Center c/o WilmerHale								
Address Line 2:	250 Greenwich Street								
Address Line 4:	New York, NEW YORK 10007								
ATTORNEY DOCKET NUMBER:	19240.837US2 AND US3								
NAME OF SUBMITTER:	Jane M. Love, Ph.D.								

OP \$80.00 13407438

Total Attachments: 4

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ASSIGNMENT

WHEREAS, we, Ruben L. GONZALEZ, residing at 44 Morningside Drive, New York, New York, 10025, USA; Samuel H. STERNBERG, residing at 357 North West End Avenue, Lancaster, Pennsylvania 17603, USA; and Dileep K. PULUKKUNAT, residing at Columbia University, Department of Chemistry, MC 3140, 3000 Broadway, New York, New York 10027, USA (collectively the "Assignors") are the inventors of a certain new and useful invention and discovery entitled "FLUORESCENCE-BASED APPROACH TO MONITOR RELEASE FACTOR-CATALYZED TERMINATION OF PROTEIN SYNTHESIS" ("the Invention") for which a U.S. provisional patent application was filed with the United States Patent and Trademark Office on February 28, 2011 as U.S. Provisional Application No. 61/447,646; and for which a U.S. patent application was filed with the United States Patent and Trademark Office on February 28, 2012 as U.S. Patent Application No. 13/407,438, hereinafter "the Applications";

WHEREAS, The Trustees of Columbia University in the City of New York, existing under the laws of the State of New York, having its principal office at 412 Low Memorial Library, 535 West 116th Street, New York, New York 10027, which, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited;

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignors hereby assign to Assignee all of Assignors' right, title and interest in and to the Invention, all improvements therein, the Applications and all priority rights arising therefrom, and any applications and/or patents, and any reissues and extensions thereof, which issue in any country upon any patent applications which correspond with any of the following: the Applications; any application that claims priority from the Applications (including utility applications, divisionals, continuations, continuations-in-part, international applications and/or any foreign regional and/or national applications), or any application based in whole or in part on any of the foregoing.

Assignors agree that such Assignors and Assignors' heirs and legal representatives will, without further consideration, cooperate with Assignee in the prosecution of all of the above applications, execute, verify, acknowledge and deliver all such further papers, including applications for

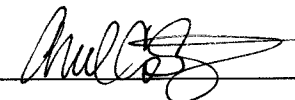
patents and for reissues and extensions therefor, and instruments of assignment and transfer thereof, and will communicate any facts known to Assignors relating to the Invention, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee. Assignors further agree that such Assignors will, without further compensation to Assignors during the term of such Assignors' employment by Assignee and thereafter for reasonable compensation as determined by Assignee, perform such other acts as may be reasonably required when requested by Assignee, including attending depositions, preparing and executing declarations and affidavits and testifying as a witness, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 8th day of March 2013 (Month/Year)



Ruben L. GONZALEZ

On this 8th day of March / 2013 (Month/Year), Ruben L. GONZALEZ, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

WITNESS: 

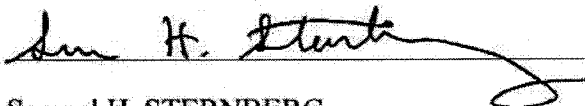
Printed Name: Anel Cortez

Residential Address: 906 Amsterdam Ave #3C
New York NY 10025

Assignment

Attorney Docket No.: 19240.837 US2 and US3

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 7th day of March 2013 (Month/Year)



Samuel H. STERNBERG

On this 7th day of March 2013 (Month/Year), Samuel H. STERNBERG, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

WITNESS:



Printed Name:

Megan Hochstrasser

Residential Address:

2231 Ward St. Apt E

Berkeley, CA 94705

Assignment

Attorney Docket No.: 19240.837 US2 and US3

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 11th day of
March (Month/Year) 2013



Dileep K. PULUKKUNAT

On this 11 day of MARCH 2013 (Month/Year), Dileep K. PULUKKUNAT,
personally known to me to be the same individual who executed the foregoing Assignment, and
who acknowledged to me that execution of the same was of his own free will for the use and
purposes therein set forth.

WITNESS:



Printed Name: NEETHA KOROTH

Residential Address: 9243, WATERSIDE ST

APT #105, MIDDLETON, WI-53562

ActiveUS 105240571v.1

RECORDED: 03/20/2013

PATENT
REEL: 030047 FRAME: 0573