

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
BARRY S. COOPERMAN	11/24/2010
YALE E. GOLDMAN	11/30/2010
DONGLI PAN	02/01/2010
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA
<b>Street Address:</b>	3600 CIVIC CENTER BOULEVARD
<b>Internal Address:</b>	9TH FLOOR
<b>City:</b>	PHILADELPHIA
<b>State/Country:</b>	PENNSYLVANIA
<b>Postal Code:</b>	19104
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16224475
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(215)564-3439
<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>	
<b>Phone:</b>	2155683100
<b>Email:</b>	patents@bakerlaw.com
<b>Correspondent Name:</b>	BAKERHOSTETLER
<b>Address Line 1:</b>	2929 ARCH STREET
<b>Address Line 2:</b>	12TH FLOOR
<b>Address Line 4:</b>	PHILADELPHIA, PENNSYLVANIA 19104
<b>ATTORNEY DOCKET NUMBER:</b>	103241.006368 / T4332
<b>NAME OF SUBMITTER:</b>	FAITH A. POORE
<b>SIGNATURE:</b>	/Faith A. Poore/
<b>DATE SIGNED:</b>	10/08/2020
<b>Total Attachments: 4</b>	
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DOCKET NO.: UPN-5462 / T4332

PATENT  
Joint-inventors Assigning Separately  
(Pending Application;  
Application No. Known)

ASSIGNMENT

WHEREAS, we, Barry S. Cooperman, Yale E. Goldman, and Dongli Pan, hereinafter referred to as the assignors, residing respectively at 408 South Woodbine Avenue, Penn Valley, PA 19072; 508 Anthwyn Road, Merion, PA 19066; and 103 Longwood Avenue, Brookline, MA 02446 are joint-inventors with Zeev Smilansky of Anima Cell Metrology of certain inventions or improvements for which we have made application for Letters Patent to the United States, identified as Application No. 12/664,952, entitled **FLUORESCENT LABELING OF TRANSFER RNA AND STUDY OF PROTEIN SYNTHESIS**; and

WHEREAS, The Trustees of the Univeristy of Pennsylvania hereinafter referred to as the assignee, of 3160 Chestnut Street, Suite 200, Philadelphia, PA 19104, a university of higher education of Pennsylvania, is desirous of acquiring our entire right, title and interest in and to the said inventions or improvements and in and to the said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in any and all countries:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, and intending to be legally bound hereby, we, the said assignors, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over to said assignee, our entire right, title and interest in and to said inventions or improvements and said application and any and all continuations, divisions and renewals of and substitutes for said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and any and all other countries, and any reissue or reissues or extension or extensions of said Letters Patent, including the full right to sue for and collect damages for past violations of provisional rights having arisen from any publication of said application or any continuations, divisions, or renewals of or substitutes for said application. We further assign to and authorize said assignee, to file in our names applications for Letters Patent in all countries, the same to be held and enjoyed by said assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by us had this assignment, sale and transfer not been made.

AND we hereby covenant that we have full right to convey our interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith, and we further covenant and agree that we will each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said application and said Letters Patent to said assignee, its successors, assigns, nominees, or legal representatives, and each of us agrees to communicate to said assignee or to its nominee all known facts respecting said inventions or improvements, said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful oaths, and generally to do everything

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possible to aid said assignee, its successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit proper patent protection for said inventions or improvements in any and all countries.

AND we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to said assignee, as assignee of our entire right, title and interest, any and all Letters Patent for said inventions or improvements, including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

AND this Assignment may be executed in multiple counterparts, each of which shall be deemed to be an original of this Assignment. Additionally, we hereby authorize our attorneys to collect the signature pages of each executed counterpart and to attach those signature pages to a single copy of this instrument, which single copy and attached signature pages together shall constitute an original of this Assignment.

IN WITNESS WHEREOF, we have hereunto set our hands and seals.

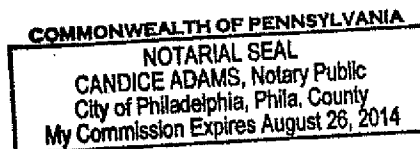
11/24/10  
Date

Barry S. Cooperman (L.S.)  
Barry S. Cooperman

STATE OF Pennsylvania :  
COUNTY OF Philadelphia : SS

On this 24 day of Nov., year of 2010, before me personally came the above named **Barry S. Cooperman** to me personally known and 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 that person's own free will for the use and purposes therein set forth.

Candice Adams  
Notary Public



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PATENT  
Joint-inventors Assigning Separately  
(Pending Application;  
Application No. Known)

11/30/2010  
Date

Yale E. Goldman (L.S.)  
Yale E. Goldman

STATE OF Pennsylvania :  
COUNTY OF Philadelphia : SS

On this 30 day of Nov., year of 2010, before me personally came the above named **Yale E. Goldman** to me personally known and 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 that person's own free will for the use and purposes therein set forth.

Candice Adams  
Notary Public

COMMONWEALTH OF PENNSYLVANIA  
NOTARIAL SEAL  
CANDICE ADAMS, Notary Public  
City of Philadelphia, Phila. County  
My Commission Expires August 26, 2014

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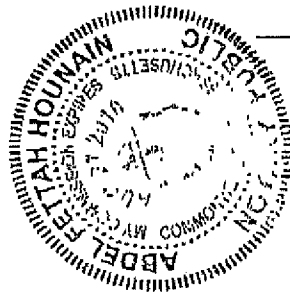
PATENT  
Joint-inventors Assigning Separately  
(Pending Application;  
Application No. Known)

02/01/2010  
Date

Pan Dongli (L.S.)  
Dongli Pan

STATE OF Massachusetts :  
COUNTY OF Suffolk : SS

On this 1<sup>st</sup> day of February, year of 2010, before me personally came the above named **Dongli Pan** to me personally known and 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 that person's own free will for the use and purposes therein set forth.



[Signature]  
Notary Public