

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3312600

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
THOMAS SHENK	01/05/2009
JOSHUA RABINOWITZ	01/14/2009
JOSH MUNGER MUNGER	01/06/2009
BRYSON BENNETT	01/08/2009
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	THE TRUSTEES OF PRINCETON UNIVERSITY
<b>Street Address:</b>	4 NEW SOUTH BUILDING
<b>City:</b>	PRINCETON
<b>State/Country:</b>	NEW JERSEY
<b>Postal Code:</b>	08544
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	13438616
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(212)425-5288
<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>	212 425 7200
<b>Email:</b>	lcharles@kenyon.com
<b>Correspondent Name:</b>	KENYON & KENYON LLP
<b>Address Line 1:</b>	ONE BROADWAY
<b>Address Line 4:</b>	NEW YORK, NEW YORK 10004
<b>ATTORNEY DOCKET NUMBER:</b>	14897/46004
<b>NAME OF SUBMITTER:</b>	DEBORAH A. SOMERVILLE
<b>SIGNATURE:</b>	/Deborah A. Somerville/
<b>DATE SIGNED:</b>	04/15/2015
<b>Total Attachments: 5</b>	
source=14897-46004_Assignment#page1.tif	
source=14897-46004_Assignment#page2.tif	
source=14897-46004_Assignment#page3.tif	

source=14897-46004\_Assignment#page4.tif

source=14897-46004\_Assignment#page5.tif

## A S S I G N M E N T

WHEREAS, we, Thomas Shenk, Joshua Rabinowitz, Josh Munger and Bryson Bennett, (hereinafter "Assignors") have made a certain new and useful invention as set forth and disclosed in a nonprovisional application for United States Letters Patent, entitled TREATMENT OF VIRAL INFECTIONS BY MODULATION OF HOST CELL METABOLIC PATHWAYS, the application of which was filed on June 2, 2008, as Application No. 12/156,517;

WHEREAS, The Trustees of Princeton University, having an address of 4 New South Building, Princeton, NJ 08544 (hereinafter referred to "Assignee"), is desirous of acquiring the entire right, title and interest in and to said invention and in and to any and all Letters Patent of the United States and foreign countries that may be obtained therefor; and

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, Assignors do hereby sell, assign, transfer and set over unto Assignee, its legal representatives, successors, and assigns, the entire right, title and interest in and to said invention as set forth in the above-mentioned application, including any future utility application which claims priority, continuations, continuations-in-part, divisions, reissues, re-examinations or extensions thereof, and in and to any and all patents of the United States and foreign countries which may be issued for said invention.

UPON SAID CONSIDERATION, Assignors shall not execute any writing or do any act whatsoever conflicting with the terms and conditions of this Assignment, and that Assignors will, at any time upon request, without further or additional consideration, but at the expense of said Assignee, execute such additional assignments and other writings and do such additional acts as said Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for or obtaining original, divisional, continuations, continuations-in-part, reexamined, reissued, or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, by giving testimony in any and all proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind and inure to the benefit of the assigns and legal representatives of Assignors and Assignee.

**The undersigned hereby grant(s) the firm of PEPPER HAMILTON LLP the power to insert on this Assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.**

AND we request the Commissioner of Patents and Trademarks to issue any Letters Patent of the United States that may be issued for said invention to said Assignee, its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to said patent and the invention covered thereby.

Date: 01-05, 2009

By: Thomas Shenk  
Name: Thomas Shenk

STATE OF NEW JERSEY )

) SS:

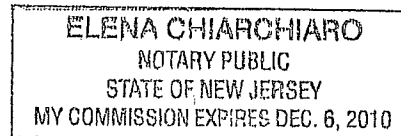
COUNTY OF MERCER )

On this 5<sup>th</sup> day of JANUARY, 2009, before me personally appeared, Thomas Shenk, known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and purposes therein set forth.

SEAL

Elena Chiaro  
Notary Public

My commission expires \_\_\_\_\_



DOCKET NO. 112911.03401

Patent

Date: Jan 14, 2007

By: Josh Rabinowitz  
Name: Joshua Rabinowitz

STATE OF NEW JERSEY )

) SS:

COUNTY OF MERCER )

On this 14<sup>th</sup> day of JANUARY, 2007, before me personally appeared, Joshua Rabinowitz, known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and purposes therein set forth.

SEAL

Elena Chiarchiaro  
Notary Public

My commission expires \_\_\_\_\_

ELENA CHIARCHIARO NOTARY PUBLIC STATE OF NEW JERSEY MY COMMISSION EXPIRES DEC. 6, 2010
---

DOCKET NO. 112911.03401

Patent

Date: January 6, 2009By: Josh Munger  
Name: Josh MungerSTATE OF New York )

) SS:

COUNTY OF Monroe )

On this 6 day of January, 2009, before me personally appeared, Josh Munger, known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and purposes therein set forth.

SEAL

  
Notary PublicMy commission expires 9/8/2010

LAURA DEWEY  
NOTARY PUBLIC, STATE OF NEW YORK  
QUALIFIED IN MONROE COUNTY  
NO. 01DE5001532  
MY COMMISSION EXPIRES SEPT. 8, 2010

DOCKET NO. 112911.03401

Patent

Date: Jan 8, 2009

By: [Signature]  
Name: Bryson Bennett

STATE OF New Jersey )

) SS:

COUNTY OF Mercer )

On this 8<sup>th</sup> day of JANUARY, 2009, before me personally appeared, Bryson Bennett, known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and purposes therein set forth.

SEAL

[Signature]  
Notary Public

My commission expires Nov. 27, 2012

DIANE G. TITUS  
NOTARY PUBLIC  
STATE OF NEW JERSEY  
My Commission Expires November 27, 2012