

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT5608411

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
STEPHEN C. HARRISON	03/28/2013
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	HOWARD HUGHES MEDICAL INSTITUTE
<b>Street Address:</b>	4000 JONES BRIDGE ROAD
<b>City:</b>	CHEVY CHASE
<b>State/Country:</b>	MARYLAND
<b>Postal Code:</b>	20815
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16385438
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(215)965-1331
<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>	(215) 965-1330
<b>Email:</b>	adrake@panitchlaw.com
<b>Correspondent Name:</b>	PANITCH SCHWARZE BELISARIO & NADEL LLP
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<b>Address Line 4:</b>	PHILADELPHIA, PENNSYLVANIA 19103
<b>ATTORNEY DOCKET NUMBER:</b>	689085-3U4
<b>NAME OF SUBMITTER:</b>	ANDREW P. BARANIAK, PH.D.
<b>SIGNATURE:</b>	/Andrew P. Baraniak, Ph.D./
<b>DATE SIGNED:</b>	07/09/2019
<b>Total Attachments: 3</b>	
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source=Harrison to Howard Hughs Assignment (copied from 3U1 parent) recorded 7_9_19#page3.tif	

## PATENT ASSIGNMENT

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 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Stephen C. Harrison PhD	03/28/2013
RECEIVING PARTY DATA	
Name:	Howard Hughes Medical Institute
Street Address:	4000 Jones Bridge Road
City:	Chevy Chase
State/Country:	MARYLAND
Postal Code:	20815
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13082601
CORRESPONDENCE DATA	
Fax Number:	6172274420
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	6175175529
Email:	patent@edwardswildman.com
Correspondent Name:	Carolina E. Save
Address Line 1:	P.O. Box 55874
Address Line 4:	Boston, MASSACHUSETTS 02205
ATTORNEY DOCKET NUMBER:	90698(312370)
NAME OF SUBMITTER:	Carolina E. Save
Signature:	/Carolina E. Save/
Date:	07/22/2013
Total Attachments: 2 source=90698 Harrison Assignment#page1.tif source=90698 Harrison Assignment#page2.tif	

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## ASSIGNMENT

Assignment made March 28, 2013 by Stephen C. Harrison, PhD ("Inventor") to the Howard Hughes Medical Institute, a Delaware corporation ("HHMI").

### RECITALS

WHEREAS, Inventor is an employee of HHMI and, as a condition of his employment, has signed the Agreement appended to HHMI's Policy on Intellectual Property (the "Intellectual Property Agreement");

WHEREAS, pursuant to the Intellectual Property Agreement, Inventor has agreed (a) to assign to HHMI all rights he may acquire in any invention, discovery, improvement, or other intellectual property, whether or not patentable or copyrightable, developed directly or indirectly as a result of a program of research financed by HHMI funds or funds under the control of HHMI (each a "Subject Property") and (b) to execute any agreements that may be desired by HHMI in connection with such assignment;

WHEREAS, Inventor has, alone or with others invented "BIOCHEMICALLY STABILIZED HIV-1 ENV TRIMER VACCINE" which is the subject of a patent application filed on April 8, 2011 as U.S. Application No. 13/082,601 (the "Application"), and the Application is a Subject Property; and

WHEREAS, Inventor seeks to make a formal assignment of his interest in the Invention to HHMI, and HHMI desires the execution of a formal assignment of all of Inventor's right, title, and interest in the Invention.

NOW, THEREFORE, in consideration of the promises contained in and the acts performed and to be performed pursuant to the Intellectual Property Agreement and of other good and valuable consideration, the receipt of which is hereby acknowledged by Inventor, Inventor agrees as follows:

1. Assignment. Inventor hereby assigns to HHMI his entire right, title, and interest in the Invention; any United State patent applications and all corresponding foreign patent applications which are directed to the Invention and any and all patents issued therefrom; all United States or foreign division and continuation applications based on any of the

foregoing, and any and all patents issued therefrom; and all claims which are directed to the Invention and which may be contained in continuation-in-part applications or in patents which issue therefrom.

2. Cooperation. Inventor agrees to execute upon request such further assignments, documents, and other instruments as may be necessary or desirable to assign Inventor's entire right, title and interest in the Invention to HHMI and to assist. HHMI (or others at the direction of HHMI in applying for, obtaining, and enforcing patents, copyrights, or other rights in the United States and in any foreign country with respect to the Invention.

3. Parties. The terms and provisions of the Assignment shall inure to the benefit of HHMI and its successors and assigns and shall be binding on the Inventor and his heirs, personal representatives and assigns.

4. Warranty. Inventor warrants and represents that he has not entered into any assignment, contract, or understanding in conflict herewith, and that there is no other person or entity whose consent is required in order for the Inventor to make the assignment contained herein.

Inventor: Stephen C. Harrison  
Stephen C. Harrison, PhD

Commonwealth of Massachusetts  
County of Suffolk

Then personally appeared before me the above-named Stephen C. Harrison, PhD and acknowledged that he executed the foregoing instrument in his authorized capacity this 28<sup>th</sup> day of March, 2013

Notary Public: Karen E Lee  
Karen E. Lee  
(print name)

My Commission Expires: July 16, 2015

(SEAL)

