

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3316550

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
HOWARD HUGHES MEDICAL INSTITUTE	03/19/2015
RECEIVING PARTY DATA	
Name:	CALIFORNIA INSTITUTE OF TECHNOLOGY
Street Address:	1200 EAST CALIFORNIA BLVD.
Internal Address:	MS 6-32
City:	PASADENA
State/Country:	CALIFORNIA
Postal Code:	91125
Name:	THE ROCKEFELLER UNIVERSITY
Street Address:	1230 YORK AVENUE
City:	NEW YORK
State/Country:	NEW YORK
Postal Code:	10065
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13924469
CORRESPONDENCE DATA	
Fax Number:	(626)577-8800
<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>	
Phone:	626-795-9900
Email:	pto@cph.com
Correspondent Name:	CHRISTIE, PARKER & HALE, LLP
Address Line 1:	P.O. BOX 29001
Address Line 4:	GLENDALE, CALIFORNIA 91209-9001
ATTORNEY DOCKET NUMBER:	70713/C766 NBC/CLM
NAME OF SUBMITTER:	CHRISTINA L. MALINOSKY
SIGNATURE:	/Christina L. Malinosky/
DATE SIGNED:	04/16/2015

Total Attachments: 6

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ASSIGNMENT

WHEREAS, HOWARD HUGHES MEDICAL INSTITUTE ("HHMI" and "ASSIGNOR"), having an address at 4000 Jones Bridge Road, Chevy Chase, Maryland 20815, is an owner by the assignments recorded at (a) Reel/Frame 035131/0299 from Pamela J. Bjorkman, executed on August 1, 2011 and (b) Reel/Frame 035131/0296 from Michel C. Nussenzweig, executed on August 1, 2011, of certain new and useful improvements disclosed in an application for United States Letters Patent entitled **ANTIBODIES TARGETING HIV ESCAPE MUTANTS**, filed June 21, 2013, Application No. 13/924,469, together with claim to the priority of United States Provisional Application Nos. 61/662,594, filed June 21, 2012;

AND WHEREAS CALIFORNIA INSTITUTE OF TECHNOLOGY, a California educational institution, having a place of business at 1200 East California Boulevard, Mail Stop 201-85, Pasadena, California 91125 and **THE ROCKEFELLER UNIVERSITY**, a New York educational institution, having a place of business at 1230 York Avenue, New York, New York 10065 (hereafter, together with any of their respective successors, legal representatives or assigns thereof, collectively referred to as "**ASSIGNEES**") want to acquire the entire right, title and interest in and to said improvements and application;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to HHMI in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, HHMI has sold, assigned, transferred and set over, and does hereby sell, assign, transfer and set over, to **ASSIGNEES** the entire right, title and interest in and to said improvements and application, including all divisions and continuations thereof, and all United States Letters Patents which may be granted thereon, and all reissues, reexaminations and extensions thereof, including the right to sue or otherwise bring action and to collect and receive damages therefrom, including for past infringement thereof, and all priority rights under all available International Agreements, Treaties and Conventions for the protection of intellectual property in its various forms in every participating country, and all applications for patents (including related rights such as utility-model registrations, inventor's certificates, and the like) heretofore or hereafter filed for said improvements in any foreign countries, and all patents (including all continuations, divisions, extensions, renewals, substitutes, and reissues thereof) granted for said improvements in any foreign countries; and HHMI hereby authorizes and requests the United States Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty it is to issue patents on applications as aforesaid, to issue all patents for said improvements to **ASSIGNEES** in accordance with the terms of this **ASSIGNMENT**;

AND HHMI HEREBY covenants that it has full right to convey the entire interest herein assigned, and that it has not executed and will not execute, any agreement in conflict herewith;

AND HHMI HEREBY further covenants and agrees that it will communicate to **ASSIGNEES** any facts known to HHMI respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute and reissue applications,

ASSIGNMENT

Docket No. 70713/C766

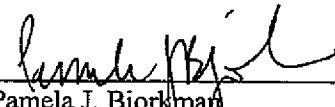
Application No. 13/924,469

Joint

make all rightful oaths, and generally do everything possible to aid ASSIGNEES to obtain and enforce proper patent protection for said improvements in all countries.

AND WHEREAS HHMI has appointed **PAMELA J. BJORKMAN** and **MICHEL C. NUSSENZWEIG** its agents for the purpose of assigning, by execution of this ASSIGNMENT, the rights of HHMI in said improvements, and said application and all divisions and continuations thereof, and all United States Letters Patents which may be granted thereon, and all reissues, reexaminations and extensions thereof, as evidenced by the **APPOINTMENT OF INVESTIGATOR AS AGENT OF PAMELA J. BJORKMAN** and the **APPOINTMENT OF INVESTIGATOR AS AGENT OF MICHEL C. NUSSENZWEIG**, both executed on August 8, 2011.

IN TESTIMONY WHEREOF, I hereunto set my hand this 19 day of March,
2015



Pamela J. Bjorkman
Appointed Agent for
Howard Hughes Medical Institute

IN TESTIMONY WHEREOF, I hereunto set my hand this _____ day of _____,
20_____

Michel C. Nussenzweig
Appointed Agent for
Howard Hughes Medical Institute

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APPOINTMENT OF INVESTIGATOR AS AGENT

Appointment by the Howard Hughes Medical Institute ("HHMI") of Pamela J. Bjorkman, PhD, an employee of HHMI, as its agent for the purpose of assigning certain rights to California Institute of Technology ("Institution").

WHEREAS, HHMI and Institution collaborate in the active conduct of medical research pursuant to an Agreement between them dated as of May 1, 1991 (the "Agreement");

WHEREAS, pursuant to the Agreement, HHMI has agreed to assign to Institution HHMI's rights with respect to intellectual property resulting from research by HHMI employees, alone or with others, at the Institution during the term of the Agreement, whether or not patentable or copyrightable, and whether funded in whole or in part by HHMI (each a "Subject Property");

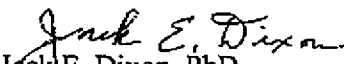
WHEREAS, research conducted pursuant to the Agreement by Pamela J. Bjorkman, PhD while employed by HHMI at Institution has resulted in the invention of a certain Subject Property entitled "Overcoming HIV Pathways for Escape Using Rationally-Designed Anti-HIV Antibodies," which is the subject of a patent application entitled "Overcoming HIV Pathways for Escape Using Rationally-Designed Anti-HIV Antibodies" filed in the U.S. Patent and Trademark Office on June 21, 2012 with Serial Number 61/662,594 (the "Invention"), and the Invention is a Subject Property; and

WHEREAS, HHMI wishes Pamela J. Bjorkman, PhD to act as its agent for the purpose of assigning to Institution the rights HHMI has in the Invention by reason of the research program conducted at Institution.


NOW THEREFORE, HHMI hereby appoints Pamela J. Bjorkman, PhD as its agent for the purpose of assigning the rights HHMI has or may acquire in the Invention by reason of the research program conducted at Institution to Institution in accordance with and subject to the conditions of the Agreement.

Executed: August 13, 2012

HOWARD HUGHES MEDICAL INSTITUTE

By: 
Jack E. Dixon, PhD
Vice President and Chief Scientific Officer

ATTESTED:


Craig A. Alexander
Vice President and General Counsel

CIT 6235P
HHMI 05201

Docket No. 70713/C766
Application No. 13/924,469

Joint

ASSIGNMENT

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AND WHEREAS CALIFORNIA INSTITUTE OF TECHNOLOGY, a California educational institution, having a place of business at 1200 East California Boulevard, Mail Stop 201-85, Pasadena, California 91125 and **THE ROCKEFELLER UNIVERSITY**, a New York educational institution, having a place of business at 1230 York Avenue, New York, New York 10065 (hereafter, together with any of their respective successors, legal representatives or assigns thereof, collectively referred to as "**ASSIGNEES**") want to acquire the entire right, title and interest in and to said improvements and application;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to HHMI in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, HHMI has sold, assigned, transferred and set over, and does hereby sell, assign, transfer and set over, to **ASSIGNEES** the entire right, title and interest in and to said improvements and application, including all divisions and continuations thereof, and all United States Letters Patents which may be granted thereon, and all reissues, reexaminations and extensions thereof, including the right to sue or otherwise bring action and to collect and receive damages therefrom, including for past infringement thereof, and all priority rights under all available International Agreements, Treaties and Conventions for the protection of intellectual property in its various forms in every participating country, and all applications for patents (including related rights such as utility-model registrations, inventor's certificates, and the like) heretofore or hereafter filed for said improvements in any foreign countries, and all patents (including all continuations, divisions, extensions, renewals, substitutes, and reissues thereof) granted for said improvements in any foreign countries; and HHMI hereby authorizes and requests the United States Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty it is to issue patents on applications as aforesaid, to issue all patents for said improvements to **ASSIGNEES** in accordance with the terms of this **ASSIGNMENT**;

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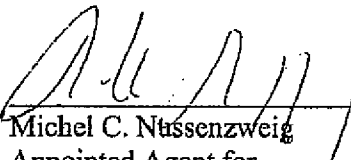
make all rightful oaths, and generally do everything possible to aid ASSIGNEES to obtain and enforce proper patent protection for said improvements in all countries.

AND WHEREAS HHMI has appointed **PAMELA J. BJORKMAN** and **MICHEL C. NUSSENZWEIG** its agents for the purpose of assigning, by execution of this ASSIGNMENT, the rights of HHMI in said improvements, and said application and all divisions and continuations thereof, and all United States Letters Patents which may be granted thereon, and all reissues, reexaminations and extensions thereof, as evidenced by the **APPOINTMENT OF INVESTIGATOR AS AGENT OF PAMELA J. BJORKMAN** and the **APPOINTMENT OF INVESTIGATOR AS AGENT OF MICHEL C. NUSSENZWEIG**, both executed on August 8, 2011.

IN TESTIMONY WHEREOF, I hereunto set my hand this ____ day of _____,
20____

Pamela J. Bjorkman
Appointed Agent for
Howard Hughes Medical Institute

IN TESTIMONY WHEREOF, I hereunto set my hand this 31st day of MARCH,
2015



Michel C. Nussenzweig
Appointed Agent for
Howard Hughes Medical Institute

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APPOINTMENT OF INVESTIGATOR AS AGENT

Appointment by the Howard Hughes Medical Institute ("HHMI") of Michel C. Nussenzweig, MD, PhD, an employee of HHMI, as its agent for the purpose of assigning certain rights to The Rockefeller University ("Institution").

WHEREAS, HHMI and Institution collaborate in the active conduct of medical research pursuant to an Agreement between them dated as of August 12, 1986 (the "Agreement");

WHEREAS, pursuant to the Agreement, HHMI has agreed to assign to Institution HHMI's rights with respect to intellectual property resulting from research by HHMI employees, alone or with others, at the Institution during the term of the Agreement, whether or not patentable or copyrightable, and whether funded in whole or in part by HHMI (each a "Subject Property");

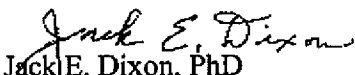
WHEREAS, research conducted pursuant to the Agreement by Michel C. Nussenzweig, MD, PhD while employed by HHMI at Institution has resulted in the invention of a certain Subject Property entitled "Overcoming HIV Pathways for Escape Using Rationally-Designed Anti-HIV Antibodies," which is the subject of a patent application entitled "Overcoming HIV Pathways for Escape Using Rationally-Designed Anti-HIV Antibodies" filed in the U.S. Patent and Trademark Office on June 21, 2012 with Serial Number 61/662,594 (the "Invention"), and the Invention is a Subject Property; and

WHEREAS, HHMI wishes Michel C. Nussenzweig, MD, PhD to act as its agent for the purpose of assigning to Institution the rights HHMI has in the Invention by reason of the research program conducted at Institution.

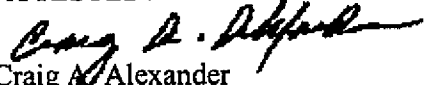
NOW THEREFORE, HHMI hereby appoints Michel C. Nussenzweig, MD, PhD as its agent for the purpose of assigning the rights HHMI has or may acquire in the Invention by reason of the research program conducted at Institution to Institution in accordance with and subject to the conditions of the Agreement.

Executed: July 11, 2012

HOWARD HUGHES MEDICAL INSTITUTE

By: 
Jack E. Dixon, PhD
Vice President and Chief Scientific Officer

ATTESTED:


Craig A. Alexander
Vice President and General Counsel

RU 1097
HHMI 05201