

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT6373889

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
CELESTE RICHARDSON	07/13/2015
RESHMA SINGH	07/14/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	NOVARTIS INSTITUTES FOR BIOMEDICAL RESEARCH, INC.
<b>Street Address:</b>	250 MASSACHUSETTS AVENUE
<b>City:</b>	CAMBRIDGE
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	02139
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15689163
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(617)395-7070
<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>	(617) 395-7003
<b>Email:</b>	HRKPatents@LALaw.com
<b>Correspondent Name:</b>	LANDO & ANASTASI, LLP
<b>Address Line 1:</b>	60 STATE STREET, 23RD FLOOR
<b>Address Line 4:</b>	BOSTON, MASSACHUSETTS 02109
<b>ATTORNEY DOCKET NUMBER:</b>	N2067-704740
<b>NAME OF SUBMITTER:</b>	HANNAH R. KOYFMAN
<b>SIGNATURE:</b>	/Hannah R. Koyfman/
<b>DATE SIGNED:</b>	10/28/2020
<b>Total Attachments: 6</b>	
source=Invs to NIBR#page1.tif	
source=Invs to NIBR#page2.tif	
source=Invs to NIBR#page3.tif	
source=Singh to NIBR#page1.tif	
source=Singh to NIBR#page2.tif	



**ASSIGNMENT**

**WHEREAS, I, Celeste Richardson**, a citizen of the United States of America, having a mailing address of Novartis Institutes for BioMedical Research, Inc., 220 Massachusetts Avenue, Cambridge, MA 02139, hereinafter generally referred to as "ASSIGNOR," have invented a certain new and useful

**TREATMENT OF CANCER USING A CD33 CHIMERIC ANTIGEN RECEPTOR**

for which we have filed a PCT International Application on July 21, 2014 and accorded International Patent Application Number PCT/CN2014/082589;

and filed a PCT International Application on November 6, 2014 and accorded International Patent Number PCT/CN2014/090504;

and/or filed a PCT International Application on July 21, 2015 and accorded International Patent Application Number PCT/ US2015/041390;

and/or filed in the United States Patent and Trademark Office on July 21, 2015 and accorded Application Number 14/805,236;

AND, I appoint, authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting in the spaces provided above the filing date and serial number of said application when known;

AND, WHEREAS, **Novartis Institutes for BioMedical Research, Inc.**, hereinafter referred to as the "ASSIGNEE", of 250 Massachusetts Avenue, Cambridge, MA 02139, a company organized by the laws of **Delaware**, is desirous of acquiring the entire right, title and interest in and to the said inventions or improvements and in and to the said application, and to any patent application(s) corresponding thereto, 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 and in exchange for valuable consideration from the receipt of which is hereby acknowledged and intending to be bound, I, the said assignor, have sold, assigned, transferred and set over, effective as of the execution date of this assignment and by these presents do hereby sell, assign, transfer and set over to said assignee, the entire right, title and interest in and to said inventions or improvements and said provisional application and any and all corresponding patent application(s) and continuations, divisions and renewals of and substitutes for said corresponding patent application(s), 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, and assign to and authorize said assignee, to file in my name corresponding patent 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 me had this assignment, sale and transfer not been made.

AND I hereby covenant that I have full right to convey the entire interest herein assigned, and that I have not executed and will not execute any agreement in conflict herewith, and I further covenant and agree that I 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 I agree 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 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 I 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 of applications as aforesaid, to issue to said assignee, as assignee of the 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.

IN WITNESS WHEREOF, I have hereunto set my hand and seal.

July 13, 2015  
Date

Celeste J. Richardson  
Celeste Richardson

Witness Signature: [Signature]  
Witness Printed Name: **Safiya Watson**  
700 Main Street  
Cambridge, MA 02138

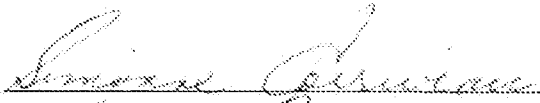
Date: 7/13/15

Witness Signature: [Signature]  
Witness Printed Name: **Beth O'Brien**  
700 Main Street  
Cambridge, MA 02139

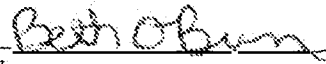
Date: 7/13/15

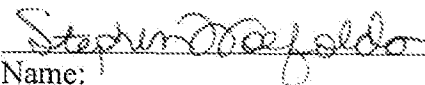
**NOVARTIS INSTITUTES FOR BIOMEDICAL RESEARCH INC.**

Executed this 15th day of July, 2015.

BY  L.S.  
Name: Simone Carriera  
Title: Authorized Signatory

Witnessed by:

  
Name:  
Address: **Beth O'Brien**  
  
700 Main Street  
Cambridge, MA 02139

  
Name:  
Address: **Stephen Wolfolds**  
  
700 Main Street  
Cambridge, MA 02139

**ASSIGNMENT**

**WHEREAS, I, Reshma Singh**, a citizen of the United States of America, having a mailing address of Novartis Institutes for BioMedical Research, Inc., 250 Massachusetts Avenue, Cambridge, MA 02139, hereinafter generally referred to as "ASSIGNOR," have invented a certain new and useful

**TREATMENT OF CANCER USING A CD33 CHIMERIC ANTIGEN RECEPTOR**

for which we have filed a PCT International Application on July 21, 2014 and accorded International Patent Application Number PCT/CN2014/082589;

and filed a PCT International Application on November 6, 2014 and accorded International Patent Number PCT/CN2014/090504;

and/or filed a PCT International Application on \_\_\_\_\_, 20\_\_\_\_ and accorded International Patent Application Number PCT/\_\_\_\_\_;

and/or filed in the United States Patent and Trademark Office on \_\_\_\_\_, 20\_\_\_\_ and accorded Application Number \_\_\_\_\_;

AND, I appoint, authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting in the spaces provided above the filing date and serial number of said application when known;

AND, WHEREAS, **Novartis Institutes for BioMedical Research, Inc.**, hereinafter referred to as the "ASSIGNEE", of 250 Massachusetts Avenue, Cambridge, MA 02139, a company organized by the laws of **Delaware**, is desirous of acquiring the entire right, title and interest in and to the said inventions or improvements and in and to the said application, and to any patent application(s) corresponding thereto, 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 and in exchange for valuable consideration from the receipt of which is hereby acknowledged and intending to be bound, I, the said assignor, have sold, assigned, transferred and set over, effective as of the execution date of this assignment and by these presents do hereby sell, assign, transfer and set over to said assignee, the entire right, title and interest in and to said inventions or improvements and said provisional application and any and all corresponding patent application(s) and continuations, divisions and renewals of and substitutes for said corresponding patent application(s), 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, and assign to and authorize said assignee, to file in my name corresponding patent 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 me had this assignment, sale and transfer not been made.

AND I hereby covenant that I have full right to convey the entire interest herein assigned, and that I have not executed and will not execute any agreement in conflict herewith, and I further covenant and agree that I 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 I agree 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 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 I 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 of applications as aforesaid, to issue to said assignee, as assignee of the 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.

IN WITNESS WHEREOF, I have hereunto set my hand and seal.

July 14, 2015  
Date  
Reshma Singh  
Reshma Singh

Witness Signature: [Signature] Date: 7-14-15  
Witness Printed Name: Christine Hogan  
250 Main Street  
Cambridge, MA 02139  
Witness Signature: Beth O'Brien Date: 7/14/15  
Witness Printed Name:

**Beth O'Brien**

700 Main Street  
Cambridge, MA 02139

**Novartis Institutes for BioMedical Research Inc.**

Executed this 28<sup>th</sup> day of September, 20 17.

BY Kathleen M Druey  
Name: KATHLEEN M DRUEY  
Title: Authorized Signatory

Witnessed by:

Name:

Address:

Michaiah Copp  
700 Main Street  
Cambridge, MA 02139

Name:

Address:

Tara M. Melanson  
700 Main Street  
Cambridge, MA 02139