

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT7956385

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
AIDA ABUJOUR	05/22/2019
JOHN BLANKENSHIP	05/22/2019
DEXIU BU	05/20/2019
TONY FLEMING	05/30/2019
BRIAN HOLMBERG	05/22/2019
CONNIE HONG	05/22/2019
LU HUANG	05/22/2019
CHONGHUI ZHANG	05/24/2019
RECEIVING PARTY DATA	
Name:	NOVARTIS INSTITUTES FOR BIOMEDICAL RESEARCH, INC.
Street Address:	250 MASSACHUSETTS AVENUE
City:	CAMBRIDGE
State/Country:	MASSACHUSETTS
Postal Code:	02139
PROPERTY NUMBERS Total: 3	
Property Type	Number
Application Number:	18170941
Application Number:	18170969
Application Number:	18184860
CORRESPONDENCE DATA	
Fax Number:	(617)261-3175
<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:	(617) 261-3100
Email:	USPatentMail@klgates.com, maria.repass@klgates.com, katie.mason@klgates.com
Correspondent Name:	K&L GATES LLP
Address Line 1:	STATE STREET FINANCIAL CENTER
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Address Line 4:	BOSTON, MASSACHUSETTS 02111

ATTORNEY DOCKET NUMBER:	N2067-7155(PAT058198)
NAME OF SUBMITTER:	KATIE MASON
SIGNATURE:	/Katie Mason/
DATE SIGNED:	05/16/2023

Total Attachments: 22

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ASSIGNMENT

WHEREAS, We, **Aida Abujoub**, 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; **Tony Fleming**, 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; **Lu Huang**, 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; **Connie Hong**, 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; **John Blankenship**, 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; **Brian Holmberg**, 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; **Chonghui Zhang**, a citizen of China, having a mailing address of Novartis Institutes for BioMedical Research, Inc., 250 Massachusetts Avenue, Cambridge, MA 02139; **Dexiu Bu**, 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 "ASSIGNORS," have invented a certain new and useful

BCMA CHIMERIC ANTIGEN RECEPTORS AND USES THEREOF;

for which we have filed U.S. Provisional Patent Application Serial No.: **62/832,991**, filed **April 12, 2019**;

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

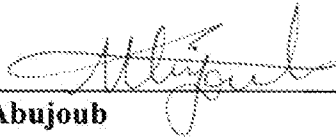
to and authorize said assignee, to file in my name corresponding patent applications for Letters Patent in all countries, the same to be held and enjoyed by said assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively 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.

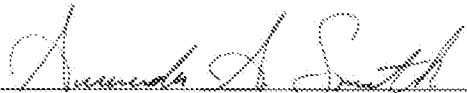
AND I hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents of applications as aforesaid, to issue to said assignee, as assignee of the entire right, title 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.

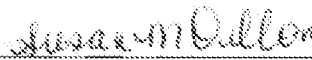
IN WITNESS WHEREOF, I have hereunto set my hand and seal.

May 22 - 2019
Date


Aida Abujoub

Witnessed by:


Name: Amanda A. Smith
Address: 700 Main Street
Cambridge, MA 02139


Name: Susan M. Dillon
Address: 700 Main Street
Cambridge, MA 02139 US

May 30, 2019
Date

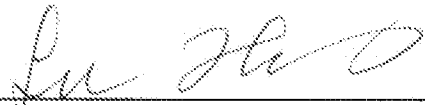
Tony Fleming
Tony Fleming

Witnessed by:

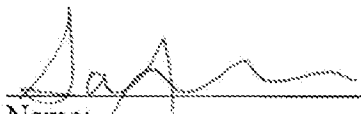
Amanda A. Smith
Name: **Amanda A. Smith**
Address: **700 Main Street
Cambridge, MA 02139**

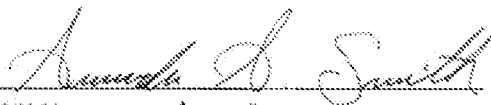
Kathleen M. Drury
Name:
Address: **Kathleen M. Drury
700 Main Street
Cambridge, MA 02139**

5/22/2019
Date


Lu Huang

Witnessed by:


Name:
Address:
Safiya Watson
700 Main Street
Cambridge, MA 02139


Name: Amanda A. Smith
Address: 700 Main Street
Cambridge, MA 02139

May 22nd, 2019
Date


Connie Hong
Connie Hong

Witnessed by:

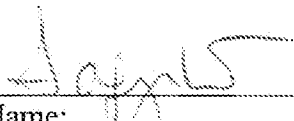
Amanda A. Smith
Name: Amanda A. Smith
Address: 700 Main Street
Cambridge, MA 02139

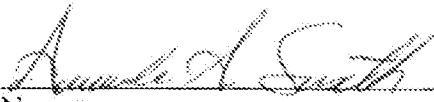
Susan M. Dillon
Name: Susan M. Dillon
Address: 700 Main Street
Cambridge, MA 02139 US

5/22/2019
Date

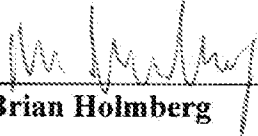

John Blankenship

Witnessed by:

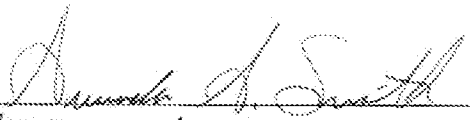

Name:
Address: Safiya Watson
700 Main Street
Cambridge, MA 02139

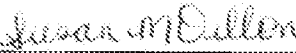

Name: Amanda A. Smith
Address: 700 Main Street
Cambridge, MA 02139

May 22, 2019
Date


Brian Holmberg

Witnessed by:


Name: Amanda A. Smith
Address: 700 Main Street
Cambridge, MA 02139


Name: Susan M. Dillon
Address: 700 Main Street
Cambridge, MA 02139 US

8/29/2014
Date

Chonghui Zhang
Chonghui Zhang

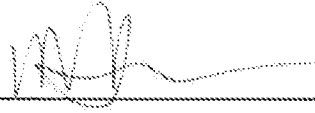
Witnessed by: ~~Justin~~

Jamrogaue Chakrabarty Pat
Name:
Address: 1319 Beacon St.
Brookline
MA 02446

Mohamed Mamed
Name:
Address: 1319 Beacon St.
Brookline
MA 02446.

May, 20th, 2019

Date



Dexiu Bu

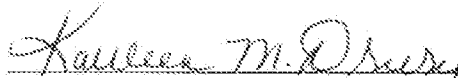
Witnessed by:



Name:

Address:

Amanda A. Smith
700 Main Street
Cambridge, MA 02139



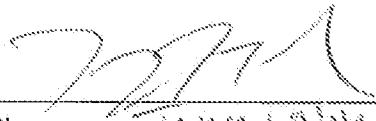
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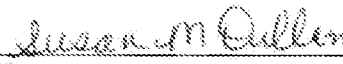
Kathleen M. Drury
700 Main Street
Cambridge, MA 02139

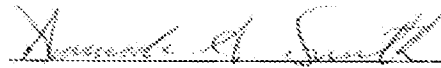
Novartis Institutes for BioMedical Research Inc.

Executed this 30 day of May, 2011.

BY  L.S.
Name: Tommy Noh
Title: Authorized Signatory

Witnessed by:


Name: Susan M. Dillon
Address: 700 Main Street
Cambridge, MA 02139 US


Name: Amanda A. Smith
Address: 700 Main Street
Cambridge, MA 02139

ASSIGNMENT

WHEREAS, We, **Aida Abujoub**, 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; **Tony Fleming**, 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; **Lu Huang**, 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; **Connie Hong**, 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; **John Blankenship**, 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; **Brian Holmberg**, 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; **Chonghui Zhang**, a citizen of China, having a mailing address of Novartis Institutes for BioMedical Research, Inc., 250 Massachusetts Avenue, Cambridge, MA 02139; **Dexiu Bu**, 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 "ASSIGNORS," have invented a certain new and useful

BCMA CHIMERIC ANTIGEN RECEPTORS AND USES THEREOF;

for which we have filed U.S. Provisional Patent Application Serial No.: **62/684,628**, filed **June 13, 2018;**

and/or filed in the United States Patent and Trademark Office on _____
and accorded Application Number _____;

and/or filed as a PCT International Application on _____ and
accorded International Patent Application Number _____;¹

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,

¹ We 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 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:

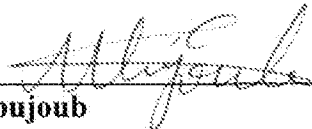
NOW, THEREFORE, for and in exchange for valuable consideration from the receipt of which is hereby acknowledged and intending to be bound, I, the said assignor, have sold, assigned, transferred and set over, effective as of the execution date of this assignment and by these presents do hereby sell, assign, 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.

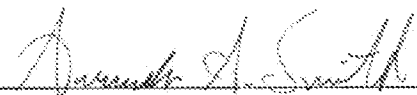
AND I hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents of applications as aforesaid, to issue to said assignee, as assignee of the entire right, title 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.

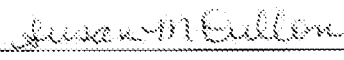
IN WITNESS WHEREOF, I have hereunto set my hand and seal.

May-22-2019
Date

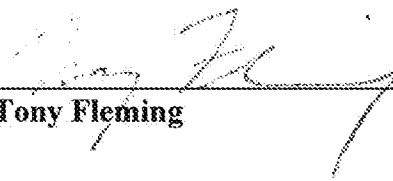

Aida Abujoub

Witnessed by:

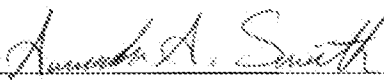

Name: **Amanda A. Smith**
Address: **700 Main Street
Cambridge, MA 02139**

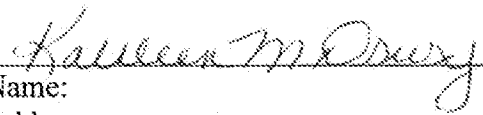

Name: **Susan M. Dillon**
Address: **700 Main Street
Cambridge, MA 02139 US**

May 30, 2019
Date


Tony Fleming

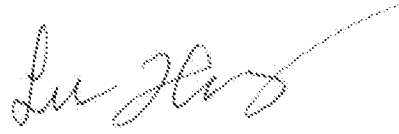
Witnessed by:


Name: **Amanda A. Smith**
Address: **700 Main Street
Cambridge, MA 02139**


Name:
Address: **Kathleen M. Drury
700 Main Street
Cambridge, MA 02139**

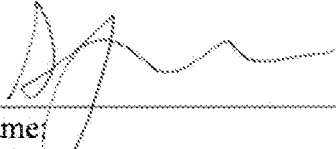
5/22/2019

Date



Lu Huang

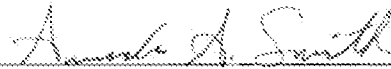
Witnessed by:



Name:

Address:

Safiya Watson
700 Main Street
Cambridge, MA 02139

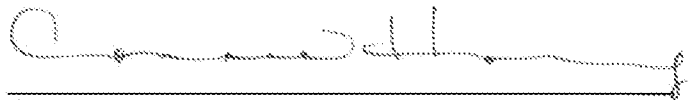


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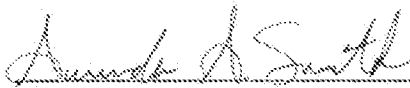
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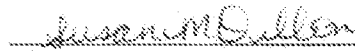
Amanda A. Smith
700 Main Street
Cambridge, MA 02139

May 22nd, 2019
Date


Connie Hong

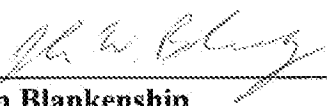
Witnessed by:


Name: Amanda A. Smith
Address: 700 Main Street
Cambridge, MA 02139


Name: Susan M. Dillon
Address: 700 Main Street
Cambridge, MA 02139 US

8/22/2019

Date


John Blankenship

Witnessed by:


Name:


Address: Safiya Watson
700 Main Street
Cambridge, MA 02139


Name:

Address: Amanda A. Smith
700 Main Street
Cambridge, MA 02139

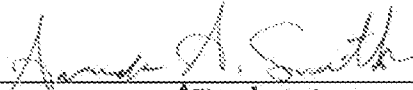
May 22, 2019

Date



Brian Holmberg

Witnessed by:



Name: Amanda A. Smith
Address: 700 Main Street
Cambridge, MA 02139



Name: Susan M. Dillon
Address: 700 Main Street
Cambridge, MA 02139 US

3/24/2019
Date

Chonghui Zhang
Chonghui Zhang

Witnessed by: ~~Justin~~

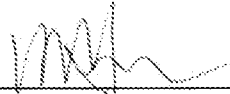
Samrague Chalreabaly Pal

Name:
Address: 1319 Beacon St.,
Brookline,
MA - 02446

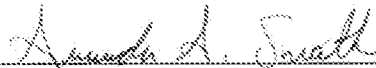
Michael Mamed

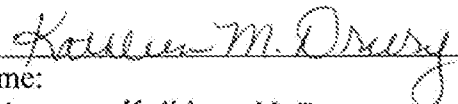
Name:
Address: 1319 Beacon St.,
Brookline,
MA 02446.

May, 20th 2019
Date


Dexiu Bu

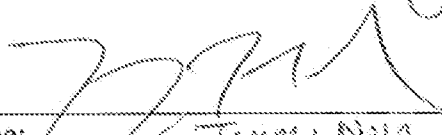
Witnessed by:


Name:
Address: **Amanda A. Smith**
700 Main Street
Cambridge, MA 02139

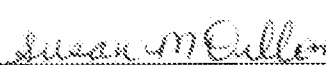

Name:
Address: **Kathleen M. Drury**
700 Main Street
Cambridge, MA 02139

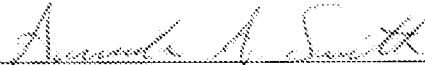
Novartis Institutes for BioMedical Research Inc.

Executed this 30 day of May, 2019.

BY  L.S.
Name: Tommy Nell
Title: Authorized Signatory

Witnessed by:


Name: Susan M. Dillon
Address: 700 Main Street
Cambridge, MA 02139 US


Name: Amanda A. Smith
Address: 700 Main Street
Cambridge, MA 02139