

<b>PATENT ASSIGNMENT COVER SHEET</b>
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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
NOVARTIS AG	12/13/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA
<b>Street Address:</b>	3160 CHESTNUT STREET
<b>City:</b>	PHILADELPHIA
<b>State/Country:</b>	PENNSYLVANIA
<b>Postal Code:</b>	19104
<b>Name:</b>	NOVARTIS AG
<b>Street Address:</b>	LICHTSTRASSE 35
<b>City:</b>	BASEL
<b>State/Country:</b>	SWITZERLAND
<b>Postal Code:</b>	4056
<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16210480
<b>Application Number:</b>	15105074
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	N2067-700340(PAT056063-US)
<b>NAME OF SUBMITTER:</b>	KATIE MASON
<b>SIGNATURE:</b>	/Katie Mason/

<b>DATE SIGNED:</b>	04/08/2022
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**Total Attachments: 4**

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**ASSIGNMENT**

WHEREAS, we, **Novartis AG**, a company incorporated in Switzerland whose address is **Lichtstrasse 35, 4056 Basel, Switzerland** hereinafter generally referred to as "ASSIGNOR," have acquired the entire right, title and interest in and to

**REGULATABLE CHIMERIC ANTIGEN RECEPTOR**

For which we have filed United States Provisional Application Number **61/919,588**, filed **December 20, 2013**;

and filed United States Provisional Application Number **61/953,818**, filed **March 15, 2014**;

and filed International Patent Application Number **PCT/CN2014/082615**, filed **July 21, 2014**;

and filed International Patent Application Number **PCT/CN2014/090494**, filed **November 6, 2014**;

and filed International Patent Application Number **PCT/CN2014/094383**, filed **December 19, 2014**;

and filed in the United States Patent and Trademark Office on **June 16, 2016** and accorded Patent Application No.: **15/105,074**;

AND, WHEREAS, **The Trustees Of The University Of Pennsylvania** of **3160 Chestnut Street, Suite 200, Philadelphia, Pennsylvania 19104**, a university of higher education in **Pennsylvania**, and **Novartis AG**, a company incorporated in Switzerland whose address is **Lichtstrasse 35, 4056 Basel, Switzerland**, hereinafter referred to as the "ASSIGNEES", are 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, we, 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 assignees, the entire right, title and interest in and to said inventions or improvements and said 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 assignees, to file in our names corresponding patent applications for Letters Patent in all countries, the same to be held and enjoyed by said assignees, 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 us had this assignment, sale and transfer not been made.

AND we hereby covenant that we have full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith, and we further covenant and agree that we 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 assignees, its successors, assigns, nominees or legal representatives, and we agree to communicate to said assignees, 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 assignees, 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 we 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 assignees, as assignees 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, we have hereunto set our hand and seal.

NOVARTIS AG

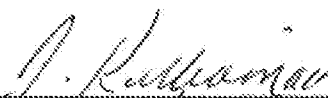
Executed this 13<sup>th</sup> day of December, 2018.

BY  L.S.

Name: Kun Wang

Title: Authorized Signatory

Witnessed by:



Name: Jill Kallman

Address: 10675 John Jay Hopkins Drive  
San Diego, California 92121



Name: SUSAN SESLOVICH

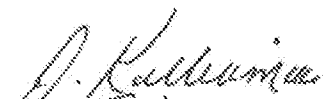
Address: 10675 John Jay Hopkins Drive  
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Executed this 13<sup>th</sup> day of December, 2018.

BY  L.S.

Name: Emily T. Wu

Title: Authorized Signatory



Name: Jill Kallman

Address: 10675 John Jay Hopkins Drive  
San Diego, California 92121



Name: SUSAN SESLOVICH

Address: 10675 John Jay Hopkins Drive  
San Diego, California 92121

THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA

Executed this 22<sup>nd</sup> day of March, 2022

BY Jennifer Langenberger L.S.  
Name: Jennifer Langenberger  
Title: COO, Executive Director IP

Witnessed by:

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