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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KARIN BRINER	10/30/2019
BRIAN ADDISON DECHRISTOPHER	11/12/2019
ALEC NATHANSON FLYER	10/31/2019
ANDREI ALEXANDROVICH GOLOSOV	11/01/2019
EUGENE YUEJIN LIU	10/31/2019
JUSTIN YIK CHING MAO	11/01/2019
LAUREN GILCHRIST MONOVICH	11/01/2019
TAJESH JAYPRAKASH PATEL	10/31/2019
LIANSHENG SU	10/31/2019
LIHUA YANG	11/01/2019
RUI ZHENG	10/31/2019

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: 1

Property Type	Number
Application Number:	17200471

CORRESPONDENCE DATA

Fax Number:

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.

Phone: 6178717967

Email: katie.drury@novartis.com
Correspondent Name: KATHLEEN DRURY
Address Line 1: 700 MAIN STREET

Address Line 4: CAMBRIDGE, MASSACHUSETTS 02139

PATENT REEL: 056730 FRAME: 0390

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ATTORNEY DOCKET NUMBER:	PAT057962-US-CNT
NAME OF SUBMITTER:	KATHLEEN DRURY
SIGNATURE:	/Kathleen Drury/
DATE SIGNED:	07/01/2021
Total Attachments: 10	

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PATENT REEL: 056730 FRAME: 0391

ASSIGNMENT

This Assignment Agreement is entered into by and between:

Karin BRINER Brian Addison	citizen of Switzerland	Novartis Institutes for BioMedical Research, Inc., 250 Massachusetts Avenue, Cambridge, Massachusetts 02139, United States of America
DECHRISTOPHER	America	3 Long Avenue, Belmont, Massachusetts 02478 USA
Alec Nathanson FLYER	citizen of United States of America	Novartis Institutes for BioMedical Research, Inc., 250 Massachusetts Avenue, Cambridge, Massachusetts 02139, United States of America
Andrei Alexandrovich GOLOSOV	citizen of United States of America	Novartis Institutes for BioMedical Research, Inc., 250 Massachusetts Avenue, Cambridge, Massachusetts 02139, United States of America
Eugene Yuejin LIU	citizen of United States of America	Novartis Institutes for BioMedical Research, Inc., 250 Massachusetts Avenue, Cambridge, Massachusetts 02139, United States of America
Justin Yik Ching MAO	citizen of Canada	Novartis Institutes for BioMedical Research, Inc., 250 Massachusetts Avenue, Cambridge, Massachusetts 02139, United States of America
Lauren Gilchrist MONOVICH	citizen of United States of America	Novartis Institutes for BioMedical Research, Inc., 250 Massachusetts Avenue, Cambridge, Massachusetts 02139, United States of America
Tajesh Jayprakash PATEL	citizen of United States of America	6 Cranberry Drive, Westford, Massachusetts 01226, United States of America
Liansheng SU	citizen of China	Novartis Institutes for BioMedical Research, Inc., 250 Massachusetts Avenue, Cambridge, Massachusetts 02139, United States of America

PATENT REEL: 056730 FRAME: 0392

Lihua YANG	citizen of United States of America	Novartis Institutes for BioMedical Research, Inc., 250 Massachusetts Avenue, Cambridge, Massachusetts 02139, United States of America
Rui ZHENG	citizen of United States of America	Novartis Institutes for BioMedical Research, Inc., 250 Massachusetts Avenue, Cambridge, Massachusetts 02139, United States of America

(hereinafter "Inventor(s)"),

and **NOVARTIS INSTITUTES FOR BIOMEDICAL RESEARCH**, **INC.**, 250 Massachusetts Ave, Cambridge, Massachusetts 02139, USA, a company organized under the laws of Delaware.

For good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, I/We the Inventor(s) do hereby confirm and agree that, by operation of law and/or contract, and/or by the fulfillment of any and all legal requirements regarding the transfer of employee inventions in my/our country of employment, NOVARTIS INSTITUTES FOR BIOMEDICAL RESEARCH, INC. is the true and lawful owner of all right, title and interest in all inventions, discoveries, patents/utility models, applications, and rights described in paragraphs (1) through (8) below.

If, however, under the laws of any country, I/We the Inventor(s) nevertheless have any ownership right, title or interest in any of the items described herein (which I/We do not believe to be the case and make no claim in or to), for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, I/We the Inventor(s) do hereby sell, assign and transfer to NOVARTIS INSTITUTES FOR BIOMEDICAL RESEARCH, INC. and its successors, assigns and legal representatives (hereinafter referred to collectively as the "ASSIGNEE"), all of my/our right, title and interest for all countries of the world in and to

(1) all of my/our inventions and discoveries described in the provisional or non-provisional patent, utility model, or other application(s) entitled

CYCLIC TETRAMER COMPOUNDS AS PROPROTEIN CONVERTASE SUBTILISIN/KEXIN TYPE 9 (PCSK9) INHIBITORS FOR THE TREATMENT OF METABOLIC DISORDERS

and filed in the United States Patent and Trademark Office on November 27, 2018 and accorded Application Number 62/772,030;

(2) the application(s) identified in paragraph (1), and all applications claiming priority from such application(s), directly or indirectly, including all national stages of any international patent application(s);

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- (3) the right to file patent, utility model, or other applications on any invention or discovery disclosed in any of the applications identified in paragraphs (1) and (2), including the right to file such applications on said inventions and discoveries in the names of ASSIGNEE or their designees or in our/my name, at ASSIGNEE's election and in accordance with applicable law in all countries and regions; and the right to file all patent, utility model, or other applications in all countries and regions claiming the priority of any of the provisional or non-provisional application(s) identified in paragraphs (1) or (2);
- (4) all rights to claim priority from any of the applications referred to in paragraphs (1), (2), and (3) or from any application from which any of the applications referred to in paragraphs (1), (2) and (3) claim priority in all countries and regions under the Paris Convention for the Protection of Industrial Property, the WTO GATT TRIPS Agreement, the Inter-American Convention relating to Inventions, Patents, Designs, and Industrial Models and all other international agreements to which the United States now is or hereafter becomes a signatory and, if the United States patent application is a provisional patent application, under 35 USC 119(e);
- (5) all continuations, continuations-in-part, and divisionals of any United States patent application(s) or international patent application(s) designating the United States, any national stages of any international application(s), and any other patent application(s) described in paragraphs (1) through (4) hereof, including further continuations, continuations-in-part, and divisionals such as, but not limited to, continuations of continuations and continuations of divisionals;
- (6) all patents, utility models, or other grants that issue from any of the applications referred to herein and all rights and remedies associated therewith including the right to sue for and recover past damages and to recover under 35 U.S.C. § 154 (d) or any other law permitting remedies for infringement prior to issuance of the patent;
- (7) all registrations and confirmations of, and importation certificates based upon, one or more of said patents, utility models, or other grants, and applications for such registrations, confirmations and importation certificates and;
- (8) all reissues, renewals and extensions of said patents, utility models, registrations, confirmations and importation certificates, reexamination certificates issued for said patents and supplementary protection certificates based upon said patents and applications for such reissues, renewals, extensions, reexamination certificates and supplementary protection certificates, the same to be held and enjoyed by said ASSIGNEE to the full ends of the terms for which said patents, utility models, registrations, confirmations, importation certificates, reexamination certificates, supplementary protection certificates, reissues, renewals and extensions may be granted, as fully and entirely as the same would have been held and enjoyed by me/us if this sale, assignment and transfer had not been made.

I/We the Inventor(s) hereby authorize ASSIGNEE and their representatives to insert in paragraph (1) of this Assignment the filing date(s) and Application Number(s) of said patent, utility model, or other application(s) when notified thereof.

I/We the Inventor(s) hereby covenant and agree that I/We will, at any time, (i) upon the request, but at the expense, of ASSIGNEE, execute and deliver all documents that may be necessary or desirable to perfect the title to the foregoing inventions and discoveries, applications, patents, utility models, registrations, confirmations, importation certificates, reissues, renewals, extensions, reexamination certificates, supplementary protection certificates, and applications within the scope of (7) and (8), in ASSIGNEE, including the execution and procurement of all further documents evidencing this sale, assignment and transfer as may be necessary or desirable for recording the same in the patent office or other intellectual property office, agency or the like of any country or region, (ii) upon the request, but at the expense, of ASSIGNEE execute all additional applications within the scope of paragraphs (1) through (6) and all applications within the scope of (7) or (8), and (iii) make all rightful oaths and declarations and do all lawful acts requisite for procuring the same or for aiding therein, without further compensation, but at the expense of ASSIGNEE.

Should any provision of this Assignment be deemed invalid or unenforceable by reason of any law, statute, regulation or judgment, existing now or in the future in any jurisdiction, such provision shall be modified in such jurisdiction so as to nearly approximate the intent of the Parties. If this cannot be done, such invalid or unenforceable provision shall be divisible and be deleted in any such jurisdiction, and all other provisions shall remain in full force and effect. The modification or deletion of any provision in one jurisdiction shall have no effect on this Assignment in any other jurisdiction.

This Assignment shall be governed by the laws of Delaware.

This Assignment is effective as from the earliest priority date as stated above.

Executed this 3 day of 2+, 20

Karen BRÍNEŔ

Printed Name: Amanda A Smith
City, State and Country: Cambrige, MA USA

Printed Name: Chapy Martinez
City, State and Country:
Cambridge MA USA

Executed	I this 12 day of 100 , 20 (9).
	And the state of t
Brian Ad	dison DECHRISTOPHER
Witness:	Printed Name: City, State and Country: Cambridge, MA 02139
Witness:	Color Noting: Printed Name: Caby Narthez City, State and Country: Cawondy MA VSA
	this 3 day of Ot, 2019.
Witness:	Printed Name: City, State and Country: Kathleen M. Drury 700 Main Street Cambridge, MA 02139
Witness:	Printed Name: Gaby Martinez City, State and Country: Lambridge MA USA

Executed this day of , 20
April (andri a Golera)
Andrei Alexandrovich GOLOSOV
Witness: Actives 777. Sold Printed Name: City, State and Country: Kathleen M. Drury 700 Main Street Cambridge, MA 02139
Witness: Coly Martiez Printed Name: Craby Martinoz City, State and Country: Cambridge Mir USA
Executed this 3 day of Oct., 20 9. Eugene Yuejin LIU
Witness: Action 7/1 (Action of the Country) Printed Name: City, State and Country: Kathleen M. Drury 700 Main Street Cambridge, MA 02139
Witness: Colymportes. Printed Name: Colombin Nathree City, State and Country: Combined Mit USA

Executed this day of Nov., 20 9.
Justin Yik Ching MAO
Witness: <u>Vataless 77</u> <u>Printed Name:</u> Printed Name: City, State and Country: Kathleef M. Drury 700 Main Street Cambridge, MA 02139
Witness: Printed Name: Opt War 1902 City, State and Country: Conversed No. USA
Executed this day of 0,200. Lauren Gilchrist MONOVICH
Witness: Addies 70 Day Printed Name: Printed Name: City, State and Country: Kathleen M. Drury 700 Main Street Cambridge, MA 02139
Witness: Colymporture Printed Name: Calyptarting City, State and Country: Cambridge MA-USA

Executed this 3 day of 0, 20 0. Tajesh Jayprakash PATEL
Witness: Printed Name: City, State and Country: Kathleen M. Drury 700 Main Street Cambridge, MA 02139
Witness: Colynopting Printed Name: Colynopting City, State and Country: Cambridge MA USA
Executed this 3 day of Oct, 20 19. Liansheng SU
Witness: Aller TY DA A Printed Name: City, State and Country: Kathleen M. Drury 700 Main Street Cambridge, MA 02139
Witness: Cold Mortus Printed Name: Cold Martinal City, State and Country. Combodies MA 02/39 USA

Executed	this 1 day of Nov, 2019. Hangkener
	Variethemes
Lihua YA	ØG
Witness:	Printed Name: Kathleen M. Drury City, State and Country: 700 Main Street Cambridge, MA 02139
Witness:	Coly Montage Printed Name: Capy North Nez City, State and Country Combridge Min USA
	this <u>31</u> day of <u>004</u> , 20 <u>/9</u> .
Witness:	Printed Name: City, State and Country: Kathleen M. Drury 700 Main Street Cambridge, MA 02139
Witness:	Caly Worth's Printed Name: Casy Marting City, State and Country: Combridge MA USA

Executed this day of, 20		
NOVARTIS INSTITUTES FOR BIOMEDICAL RESEARCH, INC. BY Printed Name: Fellow Constant Authorized Signatory		
Witness:	Printed Name: City, State and Country:	Kathleen M. Drury 700 Main Street Cambridge, MA 02139
Witness:		anthoz National MA USA