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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LAURENCE J.N. COOPER	09/06/2017
BIPULENDU JENA	09/12/2017

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15524321

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NAME OF SUBMITTER:	CAROLINE HAMILTON
SIGNATURE:	/Caroline Hamilton/
DATE SIGNED:	12/04/2017

Total Attachments: 4

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PATENT 504668807 REEL: 044284 FRAME: 0770

ASSIGNMENT

We, Laurence J.N. COOPER, of Houston, Texas, a citizen of the United States of America, and Bipulendu JENA, of Houston, Texas, a citizen of India, have invented CHIMERIC ANTIGEN RECEPTORS (CAR) TO SELECTIVELY TARGET PROTEIN COMPLEXES. This is an Assignment of the following rights, title and interest (check all that apply):

☐ United States of America rights, title and interest in the invention
Foreign rights, title and interest in the invention
An application to the Commissioner for Patents of the United States of America filed
herewith
United States Provisional Patent Application Serial No. 62/075,627, filed on November
5, 2014
United States Patent Application Serial No. 15/524,321 filed on May 4, 2017
United States Patent No(s).
International (PCT) Patent Application Serial No. PCT/US2015/059072 filed of
November 4, 2015

We were employed by The University of Texas M. D. Anderson Cancer, a State Institution of Higher Education established under the laws of the State of Texas within The University of Texas System, at the time the invention was made. The conditions under which said invention was made are such that the Board of Regents, The University of Texas System (hereinafter SYSTEM), having a place of business at 201 West 7th St., Austin, TX 78701, owns the entire right, title, and interest in the invention, in the United States and all other countries throughout the world.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we, the undersigned, have voluntarily sold, assigned, and transferred and do voluntarily sell, assign, and transfer to SYSTEM, and successors and assigns, our full and exclusive right, title and interest in and to the invention(s) disclosed in said application throughout the world, including the United States and its territorial possessions and in all foreign countries, including all rights to claim priority, in and to any and all improvements which are disclosed in said application. This includes an assignment of all Letters Patent that may be granted on the invention in the United States of America and all countries throughout the world, and any divisional, renewal, continuation in whole or in part, substitution, conversion, reexamination, reissue, prolongation or extension thereof; and the right to claim priority from the patent application as provided for by United States law, the Patent Cooperation Treaty, the European Patent Convention, the Paris Convention, or other applicable law.

We have authorized SYSTEM to file and prosecute this patent application, as well as any corresponding international or national applications that claim priority from it. SYSTEM has the right to select attorneys or agents of its choice to prosecute at its discretion these applications on its behalf. We authorize and request the issuance of said Letters Patent to SYSTEM, as assignee of the entire right, title, and interest to be held as fully and entirely as the same would have been held by us had this assignment not been made.

We grant SYSTEM, the power to insert on this Assignment any further information that may be necessary or desirable in order to comply with all applicable legal requirements, including the

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PATENT REEL: 044284 FRAME: 0771 rules of the United States Patent and Trademark Office, for submitting and recording this document.

We warrant that there are no outstanding assignments, grants, liens, encumbrances, or agreements either written, oral, or implied that will impair, diminish, limit, or abridge the interest herein conveyed at the time of the execution of the present assignment. We shall not communicate nor cooperate in any manner with any third party, other than SYSTEM, that claims any rights in and to said invention(s) and said application.

We also hereby assign all rights, title and interest to any improvements related to said invention(s) to SYSTEM and agree to promptly and fully communicate to SYSTEM any facts and information known to us respecting any improvements related to said invention(s) and said application while any patent application anywhere in the world is still pending that claims priority, whether directly or indirectly, from said invention(s) or said application(s). We will maintain any such facts and information in confidence and will only reveal such facts and information to SYSTEM or its assigns.

We also covenant that we will communicate to SYSTEM, its representatives, assigns or agents, any facts known to us respecting said invention(s) or said application(s), and to testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, provide all requested documents, and do everything reasonably possible to aid SYSTEM and its assigns to obtain and enforce proper patent protection for said invention(s) or said application(s) in the United States or any foreign country. These provisions are binding upon our heirs, legal representatives, administrators and assigns.

We grant SYSTEM, the power to insert on this Assignment any further information that may be necessary or desirable in order to comply with all applicable legal requirements, including the rules of the United States Patent and Trademark Office, for submitting and recording this document.

IN TESTIMONY WHEREOF, Assignors have a	gned their marnes on the dates indicated.
m. v m. v v	\mathcal{M}
Dated: September (4,2017	10
STATE OF MASSICHISEHS)	Laureper IN. COOPER
COUNTY OF SUPPOIK) ss.	

This Galay of September 2017, before me personally came the above-named Laurence J.N. COOPER, who executed the foregoing Assignment in my presence, and who acknowledged to me that it was executed under that person's own free will for the purposes set forth therein.

[SEAL]

Notary Public for COMMONWEALTH OF MASSACHUSERS.
My commission expires: MAY 13, 2022

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Dated: 09/12/2017	popular 52 F
STATE OF TEXAS	Bipulendu JENA
COUNTY OF Harris	
This A May of September Bipulendu JENA, who executed the facknowledged to me that it was executed forth therein.	20/7, before me personally came the above-named foregoing Assignment in my presence, and who under that person's own free will for the purposes set
	Mace a. Janpo Notary Public for State of Texas
[SEAL] GRACE A. TAUPO Notary Public. State of Texas My Cammission Expires October 29, 2018	My commission expires: /o/29/2018
@1110000000000000000000000000000000000	

IN TESTIMONY WHE indicated, acknowledgin	EOF, a representative of SYSTEM has signed their name on the deacceptance of the transfer.	ì.
Dated: <u>November</u>	***************************************	
STATE OF Joyan	News State of the	n
COUNTY OF Arme	Title: Assistant General Counsel	
Cox II, who executed the	before me personally came the above-named James I foregoing Assignment in my presence, and who acknowledged to make that person's own free will for the purposes set forth therein.	L. re
	Brei Watrie, Notary Public for James Courty JV	•
[SEAL]	My commission expires: 7/13/2091	
BILL N	G. MARTINEZ ARY PUBLIC 4 419564-0 Iso of Texas Exp. 07-13-2021	

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