505537472 06/21/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5584269

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CLODAGH O'SHEA	04/12/2018
COLIN POWERS	07/05/2018
LEI ZHANG	04/06/2018

RECEIVING PARTY DATA

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City:	LA JOLLA	
State/Country:	CALIFORNIA	
Postal Code:	92037-1002	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16434714

CORRESPONDENCE DATA

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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JODI L. CONNOLLY, KLARQUIST SPARKMAN LLP **Correspondent Name:**

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ATTORNEY DOCKET NUMBER:	7158-96599-03	
NAME OF SUBMITTER:	JODI L. CONNOLLY	
SIGNATURE:	/Jodi L. Connolly/	
DATE SIGNED: 06/21/2019		

Total Attachments: 4

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> **PATENT REEL: 049547 FRAME: 0679** 505537472

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PATENT REEL: 049547 FRAME: 0680

ASSIGNMENT

We, Clodagh O'Shea, of San Diego, CA, a citizen of the United States of America, Colin Powers, of San Diego, CA, a citizen of the United States of America, and Lei Zhang, of San Diego, CA, a citizen of People's Republic of China have invented TUMOR-TARGETING SYNTHETIC ADENOVIRUSES AND USES THEREOF for which the following patent applications have been filed:

U.S. Provisional Patent Application No. 62/433,140, filed on December 12, 2016; and

PCT Application No. PCT/US2017/065604 filed on December 11, 2017

which applications are collectively referred to herein as "the patent applications."

The subject invention(s) was made as a result of our activities at or on behalf of the Salk Institute for Biological Studies or as a result of our utilization of information, facilities or other resources of the Salk Institute for Biological Studies. The conditions under which said invention(s) was made are such as to entitle the Salk Institute for Biological Studies to the entire right, title, and interest in the invention(s) and the patent applications in the United States and its territories and dependencies, and all other countries of the world.

In consideration of our obligations and other valuable consideration, we the undersigned hereby sell, assign, and transfer to the Salk Institute for Biological Studies (hereinafter, "Salk Institute"), its successors and assigns, the full and exclusive right, title, and interest in the invention(s) and the patent applications throughout the United States of America and its territories and dependencies, and all other countries of the world. This includes an assignment of all Letters Patent that may be granted on the invention(s) in the United States of America and all countries throughout the world, and any divisional, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof; and the right to claim priority from the patent applications as provided for by United States law, the Patent Cooperation Treaty, the European Patent Convention, the Paris Convention, or other applicable law.

We authorize and request the issuance of said Letters Patent to the Salk Institute 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 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 also agree upon reasonable request to communicate to the Salk Institute, its representatives, successors, assigns, or agents, any facts known to us respecting the invention(s), and testify in any legal proceedings, sign all lawful papers, execute all

ASSIGNMENT - PAGE 1 OF 2

divisional, continuing, and reissue applications, make all rightful oaths, provide all requested documents, and do everything reasonably possible to aid the Salk Institute, its representatives, successors, assigns, or agents to obtain and enforce proper patent protection for the invention(s) in the United States or any foreign country. These provisions are binding upon our heirs, legal representatives, administrators and assigns.

	ssignors have signed their names on the
dates indicated.	
Dated: April 12 2018	Clodagh O'Shea
In the presence of: Witness Signature	April 12 201
Witness Name (print)	Date digned
\(\frac{1}{2}\)	
Dated:	Colin Powers
In the presence of:	
Witness Signature	Date Signed
Witness Name (print))
Dated: 4/6/2018	Lei Zhang
In the presence of:	4/4/18
Witness Signature	Date Signed
LESIE Schnitt	
Witness Name (print)	

ASSIGNMENT - PAGE 2 OF 2

ASSIGNMENT

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IN TESTIMONY WHEREOF, the Assignors have signed their names on the dates indicated.

Dated:	
	Clodagh O'Shea
In the presence of:	
Witness Signature	Date Signed
Witness Name (print)	
Dated: <u>7/5//8</u>	Colin Powers
In the presence of:	
In the presence of:	7/5/18
Witness Signature	Date Signed
Julie Powers	
Witness Name (print)	
Dated:	
	Lei Zhang
In the presence of:	
Witness Signature	Date Signed
Witness Name (print)	90000X

ASSIGNMENT - PAGE 2 OF 2