

| |
|--------------------------------------|
| PATENT ASSIGNMENT COVER SHEET |
|--------------------------------------|

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5360107

| | |
|---|---------------------------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| YALE UNIVERSITY | 03/03/2010 |
| RECEIVING PARTY DATA | |
| Name: | ALBERT DEISSEROTH |
| Street Address: | 11609 DEBORAH DRIVE |
| City: | POTOMAC |
| State/Country: | MARYLAND |
| Postal Code: | 20954 |
| Name: | LIXIN ZHANG |
| Street Address: | 4045 LINKWOOD DRIVE |
| Internal Address: | UNIT 620 |
| City: | HOUSTON |
| State/Country: | TEXAS |
| Postal Code: | 77025 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 15263608 |
| CORRESPONDENCE DATA | |
| Fax Number: | (703)439-2658 |
| <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: | 5712970007 |
| Email: | pto@snyderllp.com |
| Correspondent Name: | SNYDER CLARK LESCH & CHUNG LLP |
| Address Line 1: | 205 VAN BUREN STREET |
| Address Line 4: | HERNDON, VIRGINIA 20170 |
| ATTORNEY DOCKET NUMBER: | 0028-0001CON4 |
| NAME OF SUBMITTER: | GLENN SNYDER |
| SIGNATURE: | /Glenn Snyder, Reg. No. 41,428/ |
| DATE SIGNED: | 02/05/2019 |

Total Attachments: 3

source=assignment-pat-24158-698 YALE TO DESSEROTH AND ZHANG#page1.tif

source=assignment-pat-24158-698 YALE TO DESSEROTH AND ZHANG#page2.tif

source=assignment-pat-24158-698 YALE TO DESSEROTH AND ZHANG#page3.tif

YALE UNIVERSITY

RELEASE TO INVENTORS
AND ASSIGNMENT OF RIGHT TO ROYALTIES

WHEREAS, **Albert Deisseroth and Lixin Zhang**, (the "INVENTORS"), disclosed an invention entitled "Adenoviral Vector Vaccine" as disclosed to the Office of Cooperative Research (the "INVENTION"); and made the subject of US Patent Application number 10/534,605 and corresponding foreign patent applications; and

WHEREAS, the said INVENTION was conceived and first reduced to practice under the auspices of Yale University, a corporation organized and existing under and by virtue of a charter granted by the general assembly of the Colony and State of Connecticut and located in New Haven, Connecticut ("YALE"); and

WHEREAS, the rights of the INVENTORS and YALE in the invention are governed by the terms of the Yale University Patent Policy, as approved by the Yale Corporation in June of 1988 and revised in February of 1998; and

WHEREAS, pursuant to paragraph 3(a) of the Yale University Patent Policy, YALE has determined that it does not wish to participate in the licensing of the INVENTION, and that it is willing to release to the INVENTORS YALE'S interest therein, subject to YALE retaining a non-exclusive, royalty free license to use the INVENTION in its own research and subject to INVENTORS agreement to assign to YALE the right to receive thirty percent (30%) of all net income therefrom; and

NOW, THEREFORE, in consideration of the mutual provisions of the Yale University Patent Policy and this agreement, the parties hereto do agree as follows:

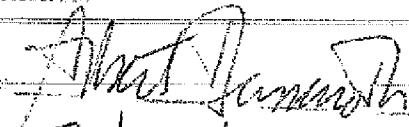
1. YALE hereby retains a paid-up, non-exclusive, irrevocable license to practice the INVENTION described in the claims of the "PATENTS" (defined below) in its own research and for educational purposes and/or for academic research or other not-for-profit scholarly purposes which are undertaken at any academic, non-profit, or governmental institution, and that does not use the INVENTION in the production or manufacture of products for sale or the performance of services for a fee. YALE hereby releases and transfers to the INVENTORS, all of its remaining rights and interest in and to the INVENTION and in and to any and all patents, whether United States or foreign, which at any time may be granted therefor, including any and all renewals, reissues and prolongations thereof (the "PATENTS").

2. The INVENTORS hereby assign YALE thirty percent (30%) of all the net income received from the INVENTION. For purposes of this agreement, the term "net income received from the INVENTION" shall mean any and all amounts due or received by the INVENTOR or his/her heirs, executors, administrators or assignees (other than assignees who pay the INVENTOR fair value for the assignment) for or in consideration of the use, license, sublicense, sale, assignment or transfer of the INVENTION or any of the PATENTS, less legal expenses reasonably incurred through outside counsel by the INVENTOR in obtaining the PATENTS and in licensing, sublicensing, selling, assigning or transferring the INVENTION or the PATENTS. The INVENTOR agrees, on behalf of himself and his heirs, executors, administrators and assigns, to provide to YALE an annual report concerning the patenting, use, licensing, sublicensing, sale, transfer or assignment of the INVENTION and the PATENTS, the terms thereof and the amounts due the

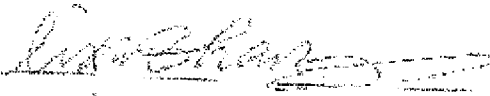
INVENTORS and YALE therefrom, and such other information as YALE may reasonably request from time to time.

IN WITNESS WHEREOF, this release and assignment has been duly executed by YALE and the INVENTORS as of the date set forth below.

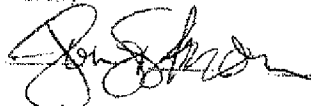
Albert Deisseroth

Signature: 
Date: 2/28/2010

Lixin Zhang

Signature: 
Date: 2/16/2010

Yale University

By: 
Typed Name: Jonathan Soderstrom
Title: Managing Director, Office of Cooperative Research
Date: 3 MAR 2010

| Docket Number | Patent Title | Application Type | Filing Date | Application Number | Country |
|------------------|---------------------------|--------------------|-------------|--------------------|---------------------------------|
| OCR 00004123HK00 | Adenoviral Vector Vaccine | FOR - Foreign | 5/12/2005 | 6102010.6 | Hong Kong |
| OCR 00004123US01 | Adenoviral Vector Vaccine | 371 (Nat.Phase US) | 5/11/2005 | 10/534,605 | United States |
| OCR 00004123SG00 | Adenoviral Vector Vaccine | FOR - Foreign | 5/12/2005 | 200502971-5 | Singapore |
| OCR 00004123KR00 | Adenoviral Vector Vaccine | FOR - Foreign | 5/12/2005 | 10-2005-7008522 | South Korea (Republic of Korea) |
| OCR 00004123MX00 | Adenoviral Vector Vaccine | FOR - Foreign | 5/12/2005 | 5005051 | Mexico |
| OCR 00004123IN00 | Adenoviral Vector Vaccine | FOR - Foreign | 5/12/2005 | 2035/DELNP/2005 | India |
| OCR 00004123EP00 | Adenoviral Vector Vaccine | FOR - Foreign | 5/12/2005 | 3786693.6 | European Union |