505405809 04/02/2019 PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT	
IATURE OF CONVEY	ANCE:	ASSIGNMENT	
CONVEYING PARTY	DATA		
		Name	Execution Date
JAMES M. WILSON			05/17/2018
CHRISTIAN HINDERER			05/16/2018
WILLIAM THOMAS ROTHWELL			05/16/2018
	ΟΑΤΑ		
RECEIVING PARTY Name: Street Address:	THE TR	USTEES OF THE UNIVERSITY OF P	PENNSYLVANIA
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CORRESPONDENCE DATA

Application Number:

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: 2155409200 Email: docketing@howsoniplaw.com, dferris@howsoniplaw.com Correspondent Name: **HOWSON & HOWSON LLP** 350 SENTRY PARKWAY Address Line 1: Address Line 2: BUILDING 620, SUITE 210 Address Line 4: **BLUE BELL, PENNSYLVANIA 19422**

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ATTORNEY DOCKET NUMBER:	16-7656USA
NAME OF SUBMITTER:	CATHY A. KODROFF
SIGNATURE:	/CathyAKodroff/
DATE SIGNED:	04/02/2019

Total Attachments: 5

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ASSIGNMENT

WHEREAS, we,

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James M. WILSON, a citizen of the United States, residing at 1831 Delancey Street, Philadelphia, Pennsylvania 19103,

Christian HINDERER, a citizen of the United States, residing at 212 Brown St., Apt. 8A, Philadelphia, Pennsylvania 19123,

William Thomas ROTHWELL, a citizen of the United States, residing at 500 Regatta Drive, Unit 2545, Philadelphia, Pennsylvania 19145,

ASSIGNORS, are inventors of one or more inventions disclosed, described and/or claimed in the application referred to as Docket Number 16-7656USA ("the invention"), assigned application number 15/771,481 filed April 27, 2018, which is entitled INTRATHECAL ADMINISTRATION OF ADENO-ASSOCIATED-VIRAL VECTORS FOR GENE THERAPY ("the subject application"), which is a 371 National Stage patent application based on International Application Number PCT/US2016/058968, filed October 27, 2016, and which claims priority to patent application number 62/247,498 filed October 28, 2015 ("the priority application").

AND WHEREAS, The Trustees of the University of Pennsylvania, ASSIGNEE, having a place of business at 3160 Chestnut Street, Suite 200, Philadelphia, PA 19104, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we, the ASSIGNORS, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, our entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

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AND WE HEREBY covenant and agree that we have full right to convey our entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the ASSIGNEE, its successors, legal representatives, and assigns, any facts known to us respecting the invention, and testify in any legal proceeding, sign all lawful papers, execute all disclaimers and all divisional, continuing, reissue, and foreign applications, make all rightful oaths, deliver upon request all papers, documents, affidavits, or other instruments that may be necessary or helpful in the prosecution of any application for industrial property protection describing and/or claiming the invention, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

IN TESTIMONY WHEREOF, we have signed our names below on the date indicated above our signatures.

17th day of May, year of 228 Executed this

Signature - James M. WILSON

WITNESS Philadyphia /A Signed At (City/State) Muler Meny Name Signature 5/6/8 Date

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PATENT REEL: 048764 FRAME: 0228

Executed this 16 day of noy, year of 2018.

Sugnature - Christian HINDERER

WITNESS
philadelphia, PA
Signed At (City/State)
Somer Enery
Name
Signature </td
<u>SIMIN</u>

Date

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Executed this 16th day of May , year of 2018.

Cottu William

Signature - William Thomas ROTHWELL

WITNESS

<u>Pl. 1 & up hin</u> Signed At (City/State) CA. 19104

SCAMLE 1 Name

Signature

PATENT REEL: 048764 FRAME: 0230

This assignment is accepted on behalf of The Trustees of the University of Pennsylvania by:

June 6,2018 Date

Jennifør Langenberger Director, Intellectual Property

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RECORDED: 04/02/2019