PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PETER WIPF	06/14/2013
MATTHEW D. NEAL	05/29/2013
CHHINDER P. SODHI	05/23/2013
DAVID J. HACKAM	06/12/2013

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16386886

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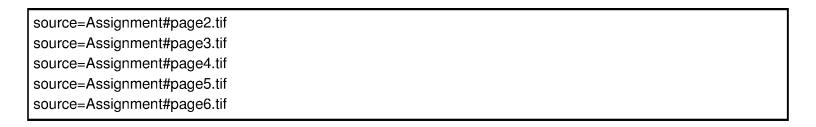
SIGNATURE: /Hiroko Lavietes/

DATE SIGNED: 11/02/2020

Total Attachments: 6

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PATENT REEL: 054245 FRAME: 0082



PATENT REEL: 054245 FRAME: 0083

WORLDWIDE ASSIGNMENT

WHEREAS.

Peter Wipf, a citizen of the United States, and whose post office address is 135 Techview Terrace, Pittsburgh, PA 15213, Marthew D. Neal, a citizen of the United States, and whose post office address is 1412 Senior Drive, Pittsburgh, PA 15227; Chhinder P. Sodki, a citizen of the United States, and whose post office address is 1884 Pioneer Drive, Sewikley, PA 15143 and David J. Hackam, a citizen of the United States, and whose post office address is 5506 Aylesboro Avenue, Pittsburgh, PA 15217 (hereinafter referred to as "ASSIGNORS"), invented a new invention as disclosed in the following patent applications entitled "VOVEL TLR4 INHIBITORS FOR THE TREATMENT OF HUMAN INFECTIOUS AND INFLAMMATORY DISORDERS", where

- a Provisional Application was filed on September 24, 2010 as Application No. 61/386,345, and
- a Provisional Application was filed on <u>September 28, 2010</u> as Application No. 61/387.335;
- a United States Application was filed on Murch 22, 2013 as Application No. 13/848.809;
- a PCT Application was filed on September 26, 2011 as Application No. PCT/US2011/053293.

WHEREAS, UNIVERSITY OF PITTSBURGH - OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION, a corporation organized and existing under the laws of the United States, having its principal place of business at 200 Gardner Steel Conference Center, Thackeray & O'Hara Streets, Pittsburgh, Pennsylvania 15260 (hereinafter referred to as "ASSIGNEE"), is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said applications:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNORS have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under said invention and said United States applications for United States Letters Patent, as the case may be, and said invention in all applications claiming priority thereto or converted therefrom, and all divisions, renewals, continuations and continuations-in-part thereof.

and all Patents of the United States which may be granted thereon and all reissues, reexaminations and extensions thereof; and all applications for industrial property protection.

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PATENT REEL: 05**9**248 FRAME: 0684

including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries other than the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said applications above under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument;

ASSIGNORS hereby covenant and agree that ASSIGNORS have full right to convey the entire right, title and interest herein assigned, that such right, title and interest is unencumbered, and that ASSIGNORS have not executed, and will not execute, any agreement in conflict herewith:

ASSIGNORS further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits and any other papers in connection therewith necessary to perfect such rights, title and interest in ASSIGNEE, its successors, legal representatives and assigns:

ASSIGNORS further covenant and agree that ASSIGNORS will communicate to ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue, reexamination, foreign applications or other such Letters Patent, make all rightful oaths, and generally do everything possible to aid ASSIGNEE or, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries;

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PATENT REEL: 058948 FRAME: 0082

IN WIT	NESS WHEREOF, I have hereunto s	et my hand and seal this 14 day of
	•	PWID
	Peter Wi	pf
Witness.	Kayla Glasa	[signature]
	Kayila Lloyd	[name]
Witness	i author Would	[signature]
_	Courtney L. Vowell	[narue]

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PATENT REEL: 054948 FRAME: 0086

IN WITNESS WHEREOF, I have hereunto	set my hand and seal this <u>29</u> day of
May ,2013,	·
	Wall DUX
Matthe	w D. Neal
Witness Vall	[manahuna]
witness / / / /	[signature]
KATHY NEAL	[name]
	•
Witness:	[signature]
Drumelle Alex	[soma]

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PATENT REEL: 058948 FRAME: 0087

IN WITNESS WHEREOF, I have	e hereunto set my hand and seal this day of
<u>May</u> , 2013	· AD And I
	Chharles de la
/	Chbinder P-Sedhi
220-1	1
Witness: 0 2	[signature]
Jukihiro Yama	suchi [name]
D 4	
Witness	(signature)
Peng Lu	[name]
, 7	-

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NY02.770249 I

IN WITNESS WHEREOF, I have hereunto	set my hand and seal this 1 and day of
June 2013.	
	Stell
David J.	. Hackam
Withes Procey & Prison	[signature]
FACEY JOBASON	[name]
Witness: Wusty North	(signsture)
Mistry Good	Inamel

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RECORDED: 10/02/2026

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PATENT REEL: 054948 FRAME: 0080