



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

AUGUST 15, 2022

PTAS

BAKER & HOSTETLER
1735 MARKET STREET
SUITE 3300
PHILADELPHIA, PA 19103

507437259

UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT RECORDATION BRANCH OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE ASSIGNMENT RECORDATION BRANCH AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT RECORDATION BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 08/12/2022

REEL/FRAME: 060800/0593
NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

DOCKET NUMBER: 104409.000596

ASSIGNOR:
YAN, JIAN

DOC DATE: 05/25/2021

ASSIGNOR:
BRODERICK, KATE

DOC DATE: 05/20/2021

ASSIGNEE:
INOVIO PHARMACEUTICALS INC.
660 W. GERMANTOWN PIKE, SUITE 110
PLYMOUTH MEETING, PENNSYLVANIA 19462

APPLICATION NUMBER:
PATENT NUMBER:
PCT NUMBER: US2021019662
TITLE: VACCINES AGAINST CORONAVIRUS AND METHODS OF USE

FILING DATE: 02/25/2021
ISSUE DATE:

ASSIGNMENT RECORDATION BRANCH
PUBLIC RECORDS DIVISION

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT7484177

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JIAN YAN	05/25/2021
KATE BRODERICK	05/20/2021
RECEIVING PARTY DATA	
Name:	INOVIO PHARMACEUTICALS INC.
Street Address:	660 W. GERMANTOWN PIKE, SUITE 110
City:	PLYMOUTH MEETING
State/Country:	PENNSYLVANIA
Postal Code:	19462
PROPERTY NUMBERS Total: 1	
Property Type	Number
PCT Number:	US2021019662
CORRESPONDENCE DATA	
Fax Number:	(215)568-3439
<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:	2155683100
Email:	patents@bakerlaw.com, llegalgaspi@bakerlaw.com
Correspondent Name:	BAKER & HOSTETLER
Address Line 1:	1735 MARKET STREET
Address Line 2:	SUITE 3300
Address Line 4:	PHILADELPHIA, PENNSYLVANIA 19103
ATTORNEY DOCKET NUMBER:	104409.000596
NAME OF SUBMITTER:	LEILANI P. LEGASPI
SIGNATURE:	/Leilani P. Legaspi/
DATE SIGNED:	08/12/2022
Total Attachments: 4	
source=104409_000596-Executed_Assignments-Inovio-countersigned#page1.tif	
source=104409_000596-Executed_Assignments-Inovio-countersigned#page2.tif	
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source=104409_000596-Executed_Assignments-Inovio-countersigned#page4.tif	

DOCKET NO.: 104409.000605 and 104409.000596

ASSIGNMENT

WHEREAS, I, **Jian Yan**, citizen of the United States, residing at 503 Sheffield Drive, Wallingford, Pennsylvania 19086, ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the applications referred to as Docket Numbers 104409.000605, and 104409.000596 (“the inventions”), Serial Nos. **17/185,458** filed February 25, 2021 and **PCT/US2021/019662** filed **February 25, 2021** which is entitled **Vaccines Against Coronavirus And Methods Of Use** (“the subject application”), and which claims priority to patent application numbers 62/981,451 filed February 25, 2020, 63/004,380 filed April 2, 2020; 63/028,404 filed May 21, 2020, 63/033,349 filed June 2, 2020, 63/040,865 filed June 18, 2020, 63/046,415 filed June 30, 2020, 63/062,762 filed August 7, 2020, 63/114,858 filed November 17, 2020, 63/130,593 filed December 24, 2020, 63/136,973 filed January 13, 2021, 62/981,168 filed February 25, 2020, 63,022,032 filed May 8, 2020, 63/056,996 filed July 27, 2020 and 63/063,157 filed August 7, 2020 (“the priority applications”). I authorize and direct any of the attorneys responsible for prosecuting the subject application on behalf of the ASSIGNEE to insert the application number and filing date of the subject application in the final paragraph of this assignment.

AND WHEREAS, **Inovio Pharmaceuticals, Inc.**, ASSIGNEE, having a place of business at **660 W. Germantown Pike, Suite 110, Plymouth Meeting, Pennsylvania 19462**, 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, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my 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.

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

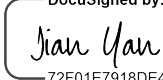
AND I HEREBY further covenant and agree that I will communicate to the ASSIGNEE, its successors, legal representatives, and assigns, any facts known to me respecting the invention, and testify in any legal proceeding, sign all lawful papers, execute all disclaimers and all divisional, continuing, reissue, 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

DOCKET NO.: 104409.000605 and 104409.000596

representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

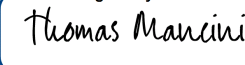
IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature.

Executed: 5/25/2021

DocuSigned by:

72F01E7918DE481...
Jian Yan

This assignment is accepted on behalf of Inovio Pharmaceuticals, Inc., by:

8/11/2022
Date

DocuSigned by:

21183565DC2E45E...
Name:
Title:

DOCKET NO.: 104409.000605 and 104409.000596

ASSIGNMENT

WHEREAS, I, **Kate Broderick**, citizen of the United States, residing at 5806 Ridgemoor Drive, San Diego, California 92120, ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the applications referred to as Docket Numbers 104409.000605, and 104409.000596 (“the inventions”), Serial Nos. **17/185,458** filed February 25, 2021 and **PCT/US2021/019662** filed **February 25, 2021** which is entitled **Vaccines Against Coronavirus And Methods Of Use** (“the subject application”), and which claims priority to patent application numbers 62/981,451 filed February 25, 2020, 63/004,380 filed April 2, 2020; 63/028,404 filed May 21, 2020, 63/033,349 filed June 2, 2020, 63/040,865 filed June 18, 2020, 63/046,415 filed June 30, 2020, 63/062,762 filed August 7, 2020, 63/114,858 filed November 17, 2020, 63/130,593 filed December 24, 2020, 63/136,973 filed January 13, 2021, 62/981,168 filed February 25, 2020, 63/022,032 filed May 8, 2020, 63/056,996 filed July 27, 2020 and 63/063,157 filed August 7, 2020 (“the priority applications”). I authorize and direct any of the attorneys responsible for prosecuting the subject application on behalf of the ASSIGNEE to insert the application number and filing date of the subject application in the final paragraph of this assignment.

AND WHEREAS, **Inovio Pharmaceuticals, Inc.**, ASSIGNEE, having a place of business at **660 W. Germantown Pike, Suite 110, Plymouth Meeting, Pennsylvania 19462**, 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, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my 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.

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

AND I HEREBY further covenant and agree that I will communicate to the ASSIGNEE, its successors, legal representatives, and assigns, any facts known to me 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

DOCKET NO.: 104409.000605 and 104409.000596

representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature.

Executed: 5/20/2021

DocuSigned by:
Kate Broderick
DBD7B863A78E4A1...
Kate Broderick

This assignment is accepted on behalf of Inovio Pharmaceuticals, Inc., by:

8/11/2022
Date

DocuSigned by:
Thomas Mancini
21183565DC2E45E...
Name:
Title:



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

AUGUST 15, 2022

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PHILADELPHIA, PA 19103

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RECORDATION DATE: 08/12/2022

REEL/FRAME: 060800/0620
NUMBER OF PAGES: 8

BRIEF: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

DOCKET NUMBER: 104409.000596

ASSIGNOR:
WEINER, DAVID

DOC DATE: 05/23/2021

ASSIGNOR:
MUTHUMANI, KAR

DOC DATE: 05/27/2021

ASSIGNOR:
PATEL, AMI

DOC DATE: 08/19/2021

ASSIGNEE:
THE WISTAR INSTITUTE OF ANATOMY AND
BIOLOGY
3601 SPRUCE STREET
PHILADELPHIA, PENNSYLVANIA 19104

APPLICATION NUMBER:
PATENT NUMBER:
PCT NUMBER: US2021019662

FILING DATE: 02/25/2021
ISSUE DATE:

TITLE: VACCINES AGAINST CORONAVIRUS AND METHODS OF USE

ASSIGNMENT RECORDATION BRANCH
PUBLIC RECORDS DIVISION

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT7484188

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
DAVID WEINER	05/23/2021
KAR MUTHUMANI	05/27/2021
AMI PATEL	08/19/2021
RECEIVING PARTY DATA	
Name:	THE WISTAR INSTITUTE OF ANATOMY AND BIOLOGY
Street Address:	3601 SPRUCE STREET
City:	PHILADELPHIA
State/Country:	PENNSYLVANIA
Postal Code:	19104
PROPERTY NUMBERS Total: 1	
Property Type	Number
PCT Number:	US2021019662
CORRESPONDENCE DATA	
Fax Number:	(215)568-3439
<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:	2155683100
Email:	patents@bakerlaw.com, llegalaspi@bakerlaw.com
Correspondent Name:	BAKER & HOSTETLER
Address Line 1:	1735 MARKET STREET
Address Line 2:	SUITE 3300
Address Line 4:	PHILADELPHIA, PENNSYLVANIA 19103
ATTORNEY DOCKET NUMBER:	104409.000596
NAME OF SUBMITTER:	LEILANI P. LEGASPI
SIGNATURE:	/Leilani P. Legaspi/
DATE SIGNED:	08/12/2022
Total Attachments: 6	
source=104409_000596-Executed_Assignments-Wistar-countersigned#page1.tif	
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source=104409_000596-Executed_Assignments-Wistar-countersigned#page3.tif	

DOCKET NO.: 104409.000605 and 104409.000596

ASSIGNMENT

WHEREAS, I, **David Weiner**, citizen of the United States, residing at 717 Beacom Lane, Merion, Pennsylvania 19066, ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the applications referred to as Docket Numbers 104409.000605, and 104409.000596 ("the inventions"), Serial Nos. **17/185,458** filed February 25, 2021 and **PCT/US2021/019662** filed **February 25, 2021** which is entitled **Vaccines Against Coronavirus And Methods Of Use** ("the subject application"), and which claims priority to patent application numbers 62/981,451 filed February 25, 2020, 63/004,380 filed April 2, 2020; 63/028,404 filed May 21, 2020, 63/033,349 filed June 2, 2020, 63/040,865 filed June 18, 2020, 63/046,415 filed June 30, 2020, 63/062,762 filed August 7, 2020, 63/114,858 filed November 17, 2020, 63/130,593 filed December 24, 2020, 63/136,973 filed January 13, 2021, 62/981,168 filed February 25, 2020, 63/022,032 filed May 8, 2020, 63/056,996 filed July 27, 2020 and 63/063,157 filed August 7, 2020 ("the priority applications"). I authorize and direct any of the attorneys responsible for prosecuting the subject application on behalf of the ASSIGNEE to insert the application number and filing date of the subject application in the final paragraph of this assignment.

AND WHEREAS, **The Wistar Institute of Anatomy and Biology**, ASSIGNEE, having a place of business at **3601 Spruce Street, Philadelphia, Pennsylvania 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, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my 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.

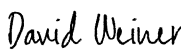
AND I HEREBY covenant and agree that I have full right to convey my entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND I HEREBY further covenant and agree that I will communicate to the ASSIGNEE, its successors, legal representatives, and assigns, any facts known to me 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

DOCKET NO.: 104409.000605 and 104409.000596

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, I have signed my name below on the date indicated above my signature. 23
Executed this _____ day of May, year of 2021.

DocuSigned by:

CB4F9A862E89442
David Weiner

This assignment is accepted on behalf of The Wistar Institute of Anatomy and Biology by:


Date


Name: Heather Steinman
Title: Vice President for Business Development &
Executive Director, Technology Transfer
The Wistar Institute

DOCKET NO.: 104409.000605 and 104409.000596

ASSIGNMENT

WHEREAS, I, **Kar Muthumani**, citizen of the United States, residing at 52 Ivy Lane, Cherry Hill, New Jersey 08002, ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the applications referred to as Docket Numbers 104409.000605, and 104409.000596 ("the inventions"), Serial Nos. **17/185,458** filed February 25, 2021 and **PCT/US2021/019662** filed **February 25, 2021** which is entitled **Vaccines Against Coronavirus And Methods Of Use** ("the subject application"), and which claims priority to patent application numbers 62/981,451 filed February 25, 2020, 63/004,380 filed April 2, 2020; 63/028,404 filed May 21, 2020, 63/033,349 filed June 2, 2020, 63/040,865 filed June 18, 2020, 63/046,415 filed June 30, 2020, 63/062,762 filed August 7, 2020, 63/114,858 filed November 17, 2020, 63/130,593 filed December 24, 2020, 63/136,973 filed January 13, 2021, 62/981,168 filed February 25, 2020, 63/022,032 filed May 8, 2020, 63/056,996 filed July 27, 2020 and 63/063,157 filed August 7, 2020 ("the priority applications"). I authorize and direct any of the attorneys responsible for prosecuting the subject application on behalf of the ASSIGNEE to insert the application number and filing date of the subject application in the final paragraph of this assignment.

AND WHEREAS, **The Wistar Institute of Anatomy and Biology**, ASSIGNEE, having a place of business at **3601 Spruce Street, Philadelphia, Pennsylvania**, 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, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my 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.

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

AND I HEREBY further covenant and agree that I will communicate to the ASSIGNEE, its successors, legal representatives, and assigns, any facts known to me 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

DOCKET NO.: 104409.000605 and 104409.000596

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, I have signed my name below on the date indicated above my signature. May Executed this _____ day of 27, year of 2021.

DocuSigned by:
Kar Muthumani
23F46389EC0B4B0
Kar Muthumani

This assignment is accepted on behalf of The Wistar Institute of Anatomy and Biology by:

08/11/2022
Date


Name:
Title: Heather Steinman
Vice President for Business Development &
Executive Director, Technology Transfer
The Wistar Institute

ASSIGNMENT

WHEREAS, I, **Ami Patel**, citizen of the Canada, residing at 2642 Catharine Street, Philadelphia, Pennsylvania 19146, ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the application referred to as Docket Numbers 104409.000605 and 104409.000596 ("the inventions"), Serial Nos. **17/185,458** filed February 25, 2021 and **PCT/US2021/019662** filed **February 25, 2021** which is entitled **Vaccines Against Coronavirus And Methods Of Use** ("the subject applications"), and which claims priority to patent application numbers 62/981,451 filed February 25, 2020, 63/004,380 filed April 2, 2020; 63/028,404 filed May 21, 2020, 63/033,349 filed June 2, 2020, 63/040,865 filed June 18, 2020, 63/046,415 filed June 30, 2020, 63/062,762 filed August 7, 2020, 63/114,858 filed November 17, 2020, 63/130,593 filed December 24, 2020, 63/136,973 filed January 13, 2021, 62/981,168 filed February 25, 2020, 63,022,032 filed May 8, 2020, 63/056,996 filed July 27, 2020 and 63/063,157 filed August 7, 2020 ("the priority applications"). I authorize and direct any of the attorneys responsible for prosecuting the subject application on behalf of the ASSIGNEE to insert the application number and filing date of the subject application in the final paragraph of this assignment.

AND WHEREAS, **The Wistar Institute of Anatomy and Biology**, ASSIGNEE, having a place of business at **3601 Spruce Street, Philadelphia, Pennsylvania 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, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my 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.

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

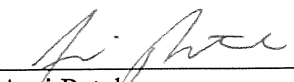
AND I HEREBY further covenant and agree that I will communicate to the ASSIGNEE, its successors, legal representatives, and assigns, any facts known to me respecting the invention, and testify in any legal proceeding, sign all lawful papers, execute all disclaimers and all divisional, continuing, reissue, 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

DOCKET NO.: 104409.000605 and 104409.000596

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, I have signed my name below on the date indicated above my signature.

Executed this 19 day of August, year of 2021.


Ami Patel

This assignment is accepted on behalf of The Wistar Institute of Anatomy and Biology by:

08/11/2021
Date


Name: **Heather Steinman**
Title: Vice President for Business Development &
Executive Director, Technology Transfer
The Wistar Institute