PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHRISTOPHER PRIOR	10/05/2018
SANDEEP LAUMAS	10/05/2018
JAY MADAN	10/05/2018
BALASINGHAM RADHAKRISHNAN	08/25/2020

RECEIVING PARTY DATA

Name:	INNOVATE BIOPHARMACEUTICALS, INC.	
Street Address:	8480 HONEYCUTT ROAD	
Internal Address:	SUITE 200	
City:	RALEIGH	
State/Country:	NORTH CAROLINA	
Postal Code:	27615	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16971739

CORRESPONDENCE DATA

Fax Number: (202)739-3001

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.

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Email: patents@morganlewis.com, penny.coelho@morganlewis.com

Correspondent Name: MARK L. HAYMAN

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Address Line 4: WASHINGTON, D.C. 20004

ATTORNEY DOCKET NUMBER:	NMT-018/116031-5018
NAME OF SUBMITTER:	MARK L. HAYMAN
SIGNATURE:	/MARK L. HAYMAN/
DATE SIGNED:	08/25/2020
	<u> </u>

Total Attachments: 9

PATENT REEL: 053591 FRAME: 0441

EPAS ID: PAT6266772

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PATENT APPLICATION Assignment

For good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned, inventor(s):

CHRISTOPHER PRIOR

SANDEEP LAUMAS

JAY MADAN

hereinafter referred to as "Assignor(s)"

have made an invention(s) (the "Invention(s)") set forth in an application for patent entitled "COMPOUNDS AND METHODS FOR TREATING TIGHT JUNCTION PERMEABILITY," and which is a United States provisional application bearing Application No. 62/634,536 and filed on February 23, 2018;

Do hereby sell, assign and transfer to Innovate Biopharmaceuticals, Inc., a corporation having a place of business at 8480 Honeycutt Road, Suite 200, Raleigh, NC, 27615, its successors, assigns, and legal representatives, the full and exclusive right to said invention and said application and to any and all inventions described in said application and to any and all inventions described in said application for the United States, its territorial possessions and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States, its territorial possessions and all foreign countries; and in and to any and all provisionals, continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, and all other applications for Letters Patent relating thereto which have been or shall be filed in the United States, its territorial possession and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, act, and treaties, including all future conventions, unions, agreements, acts, and treaties;

Agree(s) that Innovate Biopharmaceuticals, Inc., hereinafter referred to as Assignee, may apply for and receive Letters Patent for said invention and said inventions, hereinafter referred to as said invention, in its own name, in the United States, its territorial possessions, and all foreign countries; and that, when requested to carry out in good faith the intent and purpose of this assignment, at the expense of said Assignee, its successors, assigns and legal representatives, the undersigned will execute all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, execute all rightful oaths, assignments, powers of attorney and other papers, testify in any legal or quasi legal proceedings; communicate to said Assignee, its successors, assigns or legal representatives all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said invention and for vesting title to said invention and all applications for patents on said invention in said Assignee, successors, assigns, or legal representatives; and

Covenant with said Assignee, its successors, assigns, or legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Assignor hereby grants the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

MORGAN, LEWIS & BOCKIUS LLP.

Assignor acknowledges an obligation of assignment of this invention to Assignee at the time the invention was made.

IN THE TESTIM below.	ONY WHEREO	F we have he	ereunto set o	ur signature	on the date	indicated
			CHRIST	OPHER PRI	OR	TIME:
Date: <u>Oct.</u>	<u>5,2018</u>	<u></u>				
United States of A State of	merica) as :				
County of) ss.:)				
On this	day of	o me knowr	to be the			v
executed the foreg	oing instrument,	and acknowle	dged execution	on of the same	ð.	
			Notary Pu	hlic	*****	

	SANDEEP LAUMAS
Date: <u>04.5, 20</u>	
United States of America)
State of	
County of	
On this day	of, before me personally came to me known to be the individual described in and who
executed the foregoing instr	iment, and acknowledged execution of the same.
	Notary Public

er.		JAYMA	DAN DAN
Date: <u>Q+</u>	5, 2018		
United States o	f America)	
State of) ss.:	
County of	<u> </u>		
On this	day of	to me known to be the	, before me personally came individual described in and who
executed the fo	regoing instrument,	and acknowledged execution	
		Notary Pu	ıblic

Date: <u>Oct. 5, 2018</u>	By: Alas Poolas Secretary
United States of America) State of) County of)	8 8 SS.:
On this day of	, to me known to be the individual described in and who
executed the foregoing instrument, and	d acknowledged execution of the same.
	Notary Public

PATENT APPLICATION Assignment

For good and valuable consideration, the receipt of which is hereby acknowledged, I, **SANDEEP LAUMAS** ("Assignor"):

Have contributed to inventions set forth in the following applications for patent:

Application No.	Title	Filing Date
US 62/644,723	COMPOSITIONS AND METHODS FOR POTENTIATING IMMUE CHECKPOINT INHIBITOR THERAPY	March 19, 2018
PCT/US19/22885	COMPOSITIONS AND METHODS FOR POTENTIATING IMMUE CHECKPOINT INHIBITOR THERAPY	March 19, 2019
US 62/634,536	COMPOUNDS AND METHODS FOR TREATING TIGHT JUNCTION PERMEABILITY	February 23, 2018
PCT/US19/19350	COMPOUNDS AND METHODS FOR TREATING TIGHT JUNCTION PERMEABILITY	February 25, 2019

Confirms that, by virtue of contract, I have assigned and transferred to Innovate Biopharmaceuticals, Inc., a corporation having a place of business at 8480 Honeycutt Road, Suite 120, Raleigh, NC, 27615 ("Assignee"), its successors, assigns, and legal representatives, the full and exclusive right to said inventions and all inventions described in said applications for the United States, its territorial possessions and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States, its territorial possessions and all foreign countries; and in and to any and all provisionals, continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, and all other applications for Letters Patent relating thereto which have been or shall be filed in the United States, its territorial possession and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, act, and treaties, including all future conventions, unions, agreements, acts, and treaties;

Agrees that Innovate Biopharmaceuticals, Inc. may apply for and receive Letters Patent for said inventions in its own name, in the United States, its territorial possessions, and all foreign countries; and that, when requested to carry out in good faith the intent and purpose of this assignment, at the expense of said Assignee, its successors, assigns and legal representatives, the undersigned will execute all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, execute all rightful oaths, assignments, powers of attorney and other papers, testify in any legal or quasi legal proceedings; communicate to said Assignee, its successors,

assigns or legal representatives all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said invention and for vesting title to said invention and all applications for patents on said invention in said Assignee, successors, assigns, or legal representatives; and

Assignor hereby grants the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

MORGAN, LEWIS & BOCKIUS LLP

Assignor acknowledges an assignment of this invention to Assignee at the time the invention was made.

IN THE TESTIMONY WHEREOF I have hereunto set our signature on the date indicated below.

		SL
		SANDEEP LAUMAS
Date: April 15, 2020		
United States of Americ	ca)
State of County of) ss.:)
On this	day c	f, before me personally came to me known to be the individual described in and who
executed the foregoing	instrume	nt, and acknowledged execution of the same.
		Notary Public

PATENT APPLICATION Assignment

For good and valuable consideration, the receipt of which is hereby acknowledged, I, the undersigned, inventor(s):

BALASINGHAM RADHAKRISHNAN

hereinafter referred to as "Assignor"

have made an invention(s) (the "Invention(s)") set forth in an application for patent entitled "COMPOUNDS AND METHODS FOR TREATING TIGHT JUNCTION PERMEABILITY," which is an International Patent Application bearing Application No. PCT/US19/19350, filed February 25, 2019;

Do hereby sell, assign and transfer to Innovate Biopharmaceuticals, Inc., a corporation having a place of business at 8480 Honeycutt Road, Suite 120, Raleigh, NC, 27615, its successors, assigns, and legal representatives, the full and exclusive right to said invention and said application and to any and all inventions described in said application and to any and all inventions described in said application for the United States, its territorial possessions and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States, its territorial possessions and all foreign countries; and in and to any and all provisionals, continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, and all other applications for Letters Patent relating thereto which have been or shall be filed in the United States, its territorial possession and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, act, and treaties, including all future conventions, unions, agreements, acts, and treaties;

Agree(s) that Innovate Biopharmaceuticals, Inc., bereinafter referred to as Assignee, may apply for and receive Letters Patent for said invention and said inventions, hereinafter referred to as said invention, in its own name, in the United States, its territorial possessions, and all foreign countries; and that, when requested to carry out in good faith the intent and purpose of this assignment, at the expense of said Assignee, its successors, assigns and legal representatives, the undersigned will execute all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, execute all rightful oaths, assignments, powers of attorney and other papers, testify in any legal or quasi legal proceedings; communicate to said Assignee, its successors, assigns or legal representatives all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said invention and for vesting title to said invention and all applications for patents on said invention in said Assignee, successors, assigns, or legal representatives; and

Covenant with said Assignee, its successors, assigns, or legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has

Assignment for: PCT/US19/19350 Attorney Docket No. INN-018PC/116031-5018

been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Assignor hereby grants the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

MORGAN, LEWIS & BOCKIUS LLP

Assignor acknowledges an obligation of assignment of this invention to Assignce at the time the invention was made.

IN THE TESTIMONY WHEREOF I have hereunto set my signature on the date indicated below.

BALASINGHAM RADHAKRISHNAN

Date: <u>최저의 구선</u>	<u> </u>	 .
United States of Ar	merica)
State of		_) ss.:
County of)
On this	day of	before me personally came me known to be the individual described in and who
executed the forego		nd acknowledged execution of the same.
		Notary Public

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