

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5850131

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MATTHEW LOUIS HIRSCH	02/05/2019
RECEIVING PARTY DATA	
Name:	THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL
Street Address:	109 CHURCH STREET
City:	CHAPEL HILL
State/Country:	NORTH CAROLINA
Postal Code:	27516
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16318070
CORRESPONDENCE DATA	
Fax Number:	(919)854-1401
<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>	
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ATTORNEY DOCKET NUMBER:	5470-790
NAME OF SUBMITTER:	BETTY-LOU MEDLIN
SIGNATURE:	/bettyloumedlin/
DATE SIGNED:	12/04/2019
Total Attachments: 3	
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ASSIGNMENT

THIS ASSIGNMENT, made by me, Matthew Louis Hirsch, a citizen of the United States of America, residing at 208 Celeste Circle, Chapel Hill, North Carolina 27517; and

WITNESSETH: That,

WHEREAS, I am a joint inventor of certain new and useful improvements in VECTOR-MEDIATED IMMUNE TOLERANCE IN THE EYE, for which PCT International Application No. PCT/US2017/043831 was filed on July 26, 2017, and for which U.S. Patent Application No. 16/318,070 was filed on January 15, 2019 in the United States Patent and Trademark Office; and

WHEREAS, The University of North Carolina at Chapel Hill, a constituent institution of The University of North Carolina and an educational institution chartered under the laws of the State of North Carolina having a principal place of business at 109 Church Street, Chapel Hill, North Carolina 27516, hereinafter referred to as assignee, is desirous of acquiring the entire right, title and interest in and to said invention as described in said application, and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries;

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I have sold and by these presents do hereby sell, assign, transfer, and convey unto the said assignee, its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any and all subsequent patent applications which claim the benefit of priority from said application including regular utility, continuations, and continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues or other forms of protection thereof which may be granted for the invention in or on applications claiming the benefit of priority from said application, for the full end of the term for which said Letters Patent may be granted along with any term extensions thereof or therefore, together with the right to claim the benefit of priority from said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not been made.

I further covenant and agree that, at the time of the execution and delivery of these presents, I possess full title to the invention and application above-mentioned, and that I have the unencumbered right and authority to make this assignment.

I further covenant and agree to communicate to said assignee or its representatives any facts known to me relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the assignee, its representatives, successors, or assigns to secure patent or similar protection for the said invention in all countries and to vest in the assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said assignee, its successors, assigns, and other legal representatives; and I hereby instruct, and further covenant and agree to bind my heirs, legal representatives, and assigns, to do same, without further compensation, but at the expense of said assignee or its representatives.

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 5 day of Feb, 2019.

[Signature] (SEAL)
Matthew Louis Hirsch

STATE OF NORTH CAROLINA)

) ss:

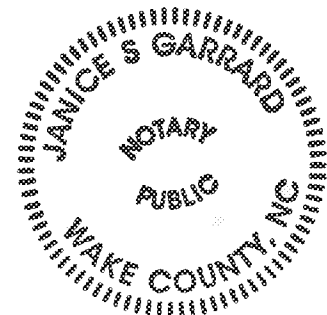
COUNTY OF Orange)

Before me personally appeared Matthew Louis Hirsch, to me known to be the person described in and who executed the foregoing instrument, and he acknowledged to me that he executed the same for the purposes therein stated, this 5th day of February, 2019.

[Signature]
Notary Public

SEAL

My Commission Expires: November 7, 2027



WHEREBY The University of North Carolina at Chapel Hill acknowledges and accepts the assignment;

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 11th day of February, 20 19. The undersigned warrants and represents that he/she has the authority to sign this Assignment on behalf of the Assignee, The University of North Carolina at Chapel Hill.

By: *Jaqueline Quay* (SEAL)

Printed Name: *Jaqueline Quay*

Title: *Director of Licensing*

STATE OF NORTH CAROLINA)

COUNTY OF ORANGE)

Before me personally appeared the person described in and who executed the foregoing instrument, and he/she acknowledged to me that he/she executed the same for the purposes therein stated, this 11th day of February, 20 19.

 Doris Bonita Perry
Notary Public



My Commission Expires: *June 28, 2020*