

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT		
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT		
<b>CONVEYING PARTY DATA</b>			
	<b>Name</b>	<b>Execution Date</b>	
	RUKIYAH T. VAN DROSS-ANDERSON	04/02/2020	
	RENE ESCOBEDO	04/01/2020	
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	EAST CAROLINA UNIVERSITY		
<b>Street Address:</b>	210 SPILMAN BUILDING		
<b>City:</b>	GREENVILLE		
<b>State/Country:</b>	NORTH CAROLINA		
<b>Postal Code:</b>	27858		
<b>PROPERTY NUMBERS Total: 1</b>			
	<b>Property Type</b>	<b>Number</b>	
	<b>Application Number:</b>	16642178	
<b>CORRESPONDENCE DATA</b>			
<b>Fax Number:</b>	(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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<b>Correspondent Name:</b>	MYERS BIGEL, P.A.		
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<b>ATTORNEY DOCKET NUMBER:</b>	5218-246		
<b>NAME OF SUBMITTER:</b>	MADDIE SPINELLI		
<b>SIGNATURE:</b>	/Maddie Spinelli/		
<b>DATE SIGNED:</b>	04/02/2020		
<b>Total Attachments: 4</b>			
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**ASSIGNMENT**

THIS ASSIGNMENT, made by us, **Rukiyah T. Van Dross-Anderson**, a citizen of the United States of America, residing at 522 Stillwater Drive, Winterville, North Carolina 28590; and **Rene Escobedo**, a citizen of the United States of America, residing at 1517 Burnside Drive, Wilson, North Carolina 27896;

WITNESSETH: That,

WHEREAS, we are joint inventors of certain new and useful improvements in **COMPOUNDS, COMPOSITIONS, KITS, AND METHODS FOR ACTIVATING IMMUNE CELLS AND/OR AN IMMUNE SYSTEM RESPONSE**, for which for which U.S. Provisional Application No. 62/553,510 was filed on September 1, 2017; PCT International Application No. PCT/US2018/048806 was filed on August 30, 2018; and U.S. Application No. 16/642,178 was filed on February 26, 2020, in the United States Patent and Trademark Office; and

WHEREAS, we have previously assigned our rights in the priority application(s) for said application to North Carolina State University, but we wish for a more complete record to confirm our prior assignment and, to the extent applicable, to assign any remaining right, title, and interest in and to said invention as described in said application; and

WHEREAS, **East Carolina University**, 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 210 Spilman Building, Greenville, North Carolina, 27858, 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, we 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 applications, and in and to any and all continuations, 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 therefor or thereon, for the full end of the term for which said Letters Patent may be granted along with any term extensions thereon or therefor, together with the right to claim the priority of said applications 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 assignors if this assignment and sale had not been made.

We hereby request that said Letters Patent be issued in accordance with this assignment.

We further covenant and agree that, at the time of the execution and delivery of these presents, and to the extent not already assigned to the assignee, we have the unencumbered right and authority to make this assignment.

We further covenant and agree to promptly communicate to said assignee or its representatives any facts known to us 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 we hereby instruct, and further covenant and agree to bind our 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 2 day of April, 20 20.

 (SEAL)  
Rukiyah T. Van Dross-Anderson

STATE OF \_\_\_\_\_ )  
 ) ss:  
COUNTY OF \_\_\_\_\_ )

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                day of                , 20        .

Notary Public

SEAL

My Commission Expires: \_\_\_\_\_

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 01 day of  
April, 2020



(SEAL)

**Rene Escobedo**

STATE OF North Carolina )  
 ) ss:  
COUNTY OF Wilson )

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 01 day of April, 2020.

\_\_\_\_\_  
Notary Public

SEAL

My Commission Expires: \_\_\_\_\_

IN WITNESS WHEREOF, **East Carolina University**, by signature below on this 1st  
day of April, 2020, hereby acknowledges and accepts receipt of this  
Assignment. The undersigned warrants and represents that he/she has the authority to sign this  
Assignment on behalf of the Assignee.

By: Martha J. S. Van Scott (SEAL)

Printed Name: Martha J. S. Van Scott

Title: Director, Licensing & Commercialization

STATE OF \_\_\_\_\_ )  
 ) ss:  
COUNTY OF \_\_\_\_\_ )

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 \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

\_\_\_\_\_  
Notary Public

SEAL

My Commission Expires: \_\_\_\_\_