

## 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>
KEITH MCCRAE	05/15/2019
SERGEI MERKULOV	05/15/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	The Cleveland Clinic Foundation
<b>Street Address:</b>	9500 Euclid Avenue
<b>City:</b>	Cleveland
<b>State/Country:</b>	OHIO
<b>Postal Code:</b>	44195
<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	62540663
<b>PCT Number:</b>	US2018045145
<b>CORRESPONDENCE DATA</b>	
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<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>NAME OF SUBMITTER:</b>	JASON R. BOND
<b>SIGNATURE:</b>	/Jason R. Bond/
<b>DATE SIGNED:</b>	01/31/2020
<b>Total Attachments: 2</b>	
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## ASSIGNMENT

WHEREAS, WE, **Keith McCrae and Sergei Merkulov**, hereinafter referred to as "ASSIGNORS," have invented certain new and useful improvements as described and set forth in the below-identified applications:

Serial No.: 62/540,663  
Filing Date: 03 August 2017  
Title of Invention: NOVEL EXPRESSION SYSTEM FOR RECOMBINANT BETA2-GLYCOPROTEIN I

Serial No.: PCT/US2018/045145  
Filing Date: 03 August 2018  
Title of Invention: IMPROVED PEPTIDE EXPRESSION AND APO-H SPECIFIC SUBJECT ANTIBODY DETECTION

WHEREAS, **The Cleveland Clinic Foundation**, a corporation having a place of business at **9500 Euclid Avenue, Cleveland, OH 44195** hereinafter referred to as "ASSIGNEE," is desirous of acquiring the entire right, title and interest in said invention and application and in any Letters Patent which may be granted on the same;

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNORS have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said ASSIGNEE, and ASSIGNEE's successors and assigns, all right, title and interest in and to said invention, including the right to claim priority to said applications, and any Letters Patents which may hereafter be granted on the same in the United States and all countries throughout the world, including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, or prolongations or extensions thereof, said interest to be held and enjoyed by said ASSIGNEE as fully and exclusively as it would have been held and enjoyed by said ASSIGNORS had this assignment and transfer not been made, to the full extent and term of any Letters Patent.

ASSIGNORS further agree that ASSIGNORS will, without charge to said ASSIGNEE, but at ASSIGNEE's expense, cooperate with ASSIGNEE in the prosecution of said application and/or applications; execute, verify, acknowledge, and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof; and perform such other acts as ASSIGNEE lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said ASSIGNEE, or ASSIGNEE's successors and assigns.

ASSIGNMENT

Application: 62/540,663  
Filed: 03-Aug-2017

Application: PCT/US2018/045145  
Filed: 03-Aug-2018

IN TESTIMONY WHEREOF, ASSIGNOR has hereunto signed ASSIGNOR'S name to this Assignment on the date indicated below.

Keith R McCrae 5/15/17  
Keith McCrae DATE

Sergei Merkulov 05/15/2019  
Sergei Merkulov DATE

IN TESTIMONY WHEREOF, ASSIGNEE acknowledges this assignment and hereunto signed ASSIGNEE'S name to this Assignment on the date indicated below.

**THE CLEVELAND CLINIC FOUNDATION**

By: Marleina Davis Date: \_\_\_\_\_

Name: Marleina Davis

Title: Deputy Chief Legal Officer

APPROVED AS TO FORM  
CCF - LAW DEPT.

DATE: 1/27/20 CMSI #:  
BY: [Signature]