

## 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>
MEDICAL UNIVERSITY OF SOUTH CAROLINA	10/09/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MUSC FOUNDATION FOR RESEARCH DEVELOPMENT
<b>Street Address:</b>	19 HAGOOD AVENUE
<b>Internal Address:</b>	SUITE 909
<b>City:</b>	CHARLESTON
<b>State/Country:</b>	SOUTH CAROLINA
<b>Postal Code:</b>	29425
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15533103
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<b>NAME OF SUBMITTER:</b>	MARSHALL P. BYRD
<b>SIGNATURE:</b>	/Marshall P. Byrd/
<b>DATE SIGNED:</b>	10/11/2017
<b>Total Attachments: 1</b>	
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## UNIVERSITY TO FOUNDATION ASSIGNMENT

WHEREAS, Medical University of South Carolina, having a place of business at 171 Ashley Avenue, Charleston, SC 29425-2230, (hereinafter termed "Assignor"), owns the entire right, title, and interest in the inventions described below (hereinafter "Said Inventions.") for which an United States Patent Application No. 15/533,103, filed June 5, 2017, entitled "CYTOKINE RECEPTOR GENES AND THE USE THEREOF TO ENHANCE THERAPY," which is a national phase application under 35 U.S.C. § 371 of International Application No. PCT/US2016/014516, filed January 22, 2016, which claims the benefit of United States Provisional Patent Application No. 62/106,860, filed January 23, 2015 and 62/242,098, filed October 15, 2015, and

WHEREAS, MUSC Foundation for Research Development, having a place of business at 19 Hagood Avenue, Suite 909, Charleston, SC 29425, (hereinafter termed "Assignee"), is desirous of acquiring the Assignor's right, title and interest in and to Said Inventions, and in and to any and all patent applications, patents, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon granted in the United States and foreign countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Assignor to have been received from said Assignee, including the obligations of Assignee to Assignor contained in the Affiliation Agreement and related agreements between the Assignor and Assignee:

1. Said Assignor does hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to Said Inventions; (b) in and to all rights to apply for foreign patents on Said Inventions pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all patents granted on Said Inventions in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said applications; and (d) in and to each and every reissue or extensions of any of said patents.

2. Said Assignor hereby covenants and agrees to cooperate with said Assignee to enable said Assignee, to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by the Assignor shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by the parties (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering Said Inventions; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving Said Inventions; and (f) for legal proceedings involving Said Inventions and any applications therefore and any patents granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions.

3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon the Assignor, its successors, assigns and other legal representatives.

4. Said Assignor hereby warrants and represents that the Assignor has not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, said Assignor has executed and delivered this instrument to said Assignee this 9th day of October, 2017.

MUSC FOUNDATION FOR RESEARCH  
DEVELOPMENT

By: Michael Rusnak  
Michael Rusnak  
Title: Executive Director

MEDICAL UNIVERSITY OF  
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By: Risa K. Saladin  
Risa K. Saladin, PT, Ph.D., FAPTA, FASAHF  
Title: Executive Vice President of Academic Affairs  
and Provost