

## 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>
BRIAN VAN TINE	01/24/2018
SARA LANGE	02/03/2018
JEFF KREMER	01/24/2018
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<b>Postal Code:</b>	63130
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15794386
<b>CORRESPONDENCE DATA</b>	
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<b>NAME OF SUBMITTER:</b>	CHRISTINA M. SPENCER, PGA
<b>SIGNATURE:</b>	/Christina M. Spencer/
<b>DATE SIGNED:</b>	03/30/2018
<b>Total Attachments: 3</b>	
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Washington University Reference No 016416-ORD1/1

## ASSIGNMENT AGREEMENT

### ASSIGNORS:

Brian Andrew Van Tine

Sara Lange

Jeff Kremer

WHEREAS, the aforementioned individuals (the "ASSIGNORS") have invented certain new and useful apparatus, methods, compositions, inventions, discoveries and/or improvements disclosed in U.S Patent Application Serial No. 15/794,386, filed 10/26/17 and entitled "Methods of Diagnosing and Treating Cancer Comprising ME1";

AND WHEREAS, Washington University, having an address located at One Brookings Drive, St. Louis, Missouri 63130 (hereinafter the "Assignee"), is desirous of acquiring the entire right, title and interest in and to said application(s) and the apparatus, inventions, discoveries, methods, compositions, and improvements therein disclosed;

NOW THEREFORE, for good and valuable consideration, including without limitation ASSIGNOR's rights to receive a portion of licensing income received by WU pursuant to its intellectual property policy, the receipt and sufficiency of which are hereby acknowledged, the parties agree as follows:

ASSIGNORS do hereby assign, sell, transfer, and set over unto said Assignee the entire right, title, and interest in and to said application(s) and the apparatus, methods, compositions, inventions, discoveries and improvements therein disclosed for the United States of America and its territories and all foreign countries and any Letters Patent which may issue therefor in the United States and its territories and all foreign countries and all divisions, reissues, continuations, continuations-in-part, renewals, and/or extensions thereof, including the right to apply for Letters Patents in each foreign country and the United States of America and its territories, in its own name and to claim any and all priority rights under the International Convention, other conventions, treaties, or otherwise associated therewith for each country and the United States of America and its territories, said Assignee to have and to hold the interests herein assigned to the full ends of the terms of said Letters Patent and any and all divisions, reissues, continuations, continuations-in-part, renewals, and/or extensions thereof, respectively, as fully and entirely as the same would have been held and enjoyed by us had this Assignment not been made.

The U.S. Patent and Trademark Office is requested to issue such Letters Patent in accordance herewith. We covenant that we are the lawful owners of the said application(s), apparatus, methods, compositions, inventions, discoveries and improvements, that the same are unencumbered, that no license has been granted to make, use, or sell the said apparatus,

*Patent Assignment 01-19-17*

**PATENT**  
**REEL: 045401 FRAME: 0840**



Washington University Reference No 016416-ORD1/1

Date: 2/3/2018

/ Sara Lange /  
Sara Lange

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Date: 1/24/2018

/ Jeff Kremer /  
Jeff Kremer

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**Accepted on behalf of the Assignee: Washington University**

/ Michele Mercier /  
Signature  
Managing Director  
Office of Technology Management

2/9/2018  
Date

*Patent Assignment 016416-ORD1/1*