

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MARIANO A. GARCIA-BLANCO	12/16/2015
ANDREW J. ARMSTRONG	12/17/2015
RHONDA L. BITTING	12/17/2015
RECEIVING PARTY DATA	
Name:	Duke University
Street Address:	2812 Erwin Road
Internal Address:	Suite 306
City:	Durham
State/Country:	NORTH CAROLINA
Postal Code:	27705
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14765071
CORRESPONDENCE DATA	
Fax Number:	(414)277-0656
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ATTORNEY DOCKET NUMBER:	028193-9147-US02
NAME OF SUBMITTER:	SANSUN YEH
SIGNATURE:	/sansun yeh/
DATE SIGNED:	01/11/2016
Total Attachments: 9	
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A S S I G N M E N T

Pursuant to our obligation to Duke University (hereinafter referred to as "Assignee"), a North Carolina non-profit institution having its principal place of business at:

2812 Erwin Road
Suite 306
Durham, NC 27705

and for other valuable and sufficient consideration, receipt whereof is hereby acknowledged,
we:

Mariano A. Garcia-Blanco
1117 Walnut Hill Drive
Hillsborough, NC 27278

Andrew J. Armstrong
201 Pitch Pine Lane
Chapel Hill, NC 27514

Rhonda L. Bitting
307 Woodlawn Drive
Hillsborough, NC 27278

confirm our obligation to and hereby sell, assign and convey, unto Assignee, its successors and assigns, our entire right, title and interest

(1) in and to inventions described in a patent application titled METHOD OF ISOLATING CIRCULATING TUMOR CELLS the specification of which was filed with our authority on May 31, 2013 as International Patent Application No. PCT/US2013/043745 (Atty. File No. 028193-9147-WO00) (hereinafter the "PCT application") which application claims the benefit of United States Provisional Patent Application No. 61/760,042, filed February 2, 2013 and United States Provisional Application No. 61/806,358, filed March 28, 2013 (hereinafter the "U.S. provisional patent applications");

(2) in and to the PCT application and the U.S. provisional patent applications, in and to all other U.S. patent applications (including PCT national phase, divisional, continuation, continuation-in-part, §111(b) provisional, §111(a), and reissue applications) based upon said inventions or claiming the benefit of the PCT application, or the U.S. provisional patent

applications, and in and to the patent or patents to be granted thereon, to the full end of the term or terms for which said patent or patents may be granted;

(3) in and to all patent applications on said invention now or hereafter filed in countries foreign to the United States of America, including foreign applications entering the national phase of the PCT application, and in and to any and all patents granted on said applications to the full end of the terms for which said patents may be granted; and

(4) under the International Convention in respect to the PCT application and the U.S. provisional patent applications.

We agree that any patent applications of any foreign countries which may be filed shall be filed in the name of Assignee with a claim to priority based on the PCT application and the U.S. provisional patent applications.

We hereby agree that we will, upon demand of Assignee, its successors or assigns, and without further consideration to us, execute any and all papers that may be necessary, or deemed by Assignee, its successors or assigns, to be necessary, to a complete fulfillment of the intent and purposes of this Assignment, it being understood that any expense incident to the execution of such papers shall be paid by Assignee, its successors and assigns, and not by us.

The Commissioner of Patents and Trademarks of the United States is hereby authorized and requested to issue said patent or patents to Assignee.

16 Dec 2015
Date

16 Dec. 2015
Witness Date

M. A. Garcia-Blanco
Mariano A. Garcia-Blanco

Julie A. Quisega
Witness Signature

Julie A. Quisega
Witness Printed Name

Date

Witness Date

Date

Witness Date

Andrew J. Armstrong

Witness Signature

Witness Printed Name

Rhonda L. Bitting

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Andrew J. Armstrong



Witness Signature



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Rhonda L. Bitting

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Witness Date

Witness Signature

Witness Printed Name

12/17/2015

Date



Rhonda L. Bitting

12/17/2015

Witness Date



Witness Signature

Shannon Golden

Witness Printed Name