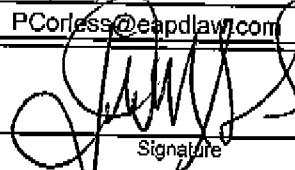


Form PTO-1595 (Rev. 08/08)  
OMB No. 0651-0027 (exp. 9/30/2008)

U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office

### RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

<b>1. Name of conveying party(ies):</b> Jinong Li (10/05/2005), Carolyn N. White (10/05/2005), Zhen Zhang (10/05/2005), and Daniel W. Chan (10/05/2005) Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>2. Name and address of receiving party(ies)</b> Name: <u>The Johns Hopkins University</u> Internal Address: _____ Street Address: _____  3400 N. Charles Street  City: <u>Baltimore</u> State: <u>Maryland</u> Country: <u>United States of America</u> Zip: <u>21218</u> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<b>3. Nature of conveyance/Execution Date(s):</b> Execution Date(s): <u>in parentheses after inventor name</u> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Change of Name <input type="checkbox"/> Security Agreement <input type="checkbox"/> Joint Research Agreement <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other _____			
<b>4. Application or patent number(s):</b> <input type="checkbox"/> This document is being filed together with a new application. A. Patent Application No.(s) <u>11/662,830</u>  B. Patent No.(s)  Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
<b>5. Name and address to whom correspondence concerning document should be mailed:</b> Name: <u>Peter F. Corless</u> <u>EDWARDS ANGELL PALMER &amp; DODGE</u> <u>LLP</u>  Internal Address: <u>Atty. Dkt.: 61849(71699)</u> Street Address: <u>P.O. Box 55874</u>  City: <u>Boston</u> State: <u>MA</u> Zip: <u>02205</u> Phone Number: <u>(617) 517-5557</u> Fax Number: <u>(888) 325-9132</u> Email Address: <u>PCorless@eapdlaw.com</u>		<b>6. Total number of applications and patents involved:</b> <input type="text" value="1"/>	
		<b>7. Total fee (37 CFR 1.21(h) &amp; 3.41)</b> \$ <u>40.00</u> <input type="checkbox"/> Authorized to be charged by credit card <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title)	
		<b>8. Payment Information</b> a. Credit Card Last 4 Numbers _____ Expiration Date _____ b. Deposit Account Number <u>04-1105</u> Authorized User Name <u>Peter F. Corless</u>	
<b>9. Signature:</b> <div style="text-align: center;">             _____            Signature         </div> <div style="text-align: right;"> <u>September 24, 2008</u>            Date         </div> <div style="text-align: center;"> <u>Jonathan M. Sparks, Ph.D. - 53,624</u>            Name of Person Signing         </div> <div style="text-align: right;">         Total number of pages including cover sheet, attachments, and documents: <input type="text"/> </div>			

CH \$40.00 041105 11662830

**ASSIGNMENT BY INVENTORS**

**THIS ASSIGNMENT**, made this 25 day of Feb, 2008,  
by Jinong Li; Carolyn N. White; Zhen Zhang; and Daniel W. Chan (hereinafter referred  
to as Assignors), residing at 9653 Susies Way, Ellicott City, Maryland 21042; 5526  
Hilltop Ave, Baltimore, Maryland 21206; 14104 Big Branch Drive, Dayton, Maryland  
21036; and 12925 Wexford Park, Clarksville, Maryland 21029, respectively;

**WHEREAS**, Assignors have invented certain new and useful improvements  
in BIOMARKERS FOR BREAST CANCER, set forth in a Patent application for which  
an International Application was filed on September 16, 2005, US2005/033168,  
designating the United States; and

**WHEREAS**, The Johns Hopkins University, a University organized under  
and pursuant to the laws of Maryland having its principal place of business at 3400 N.  
Charles Street, Baltimore, Maryland 21218 (hereinafter referred to as Assignee), is  
desirous of acquiring the entire right, title and interest in and to said inventions and  
said Application for Letters Patent of the United States, and in and to any Letters  
Patent of the United States to be obtained therefore and thereon.

**NOW, THEREFORE**, in consideration of One Dollar (\$1.00) and other good  
and sufficient consideration, the receipt of which is hereby acknowledged, Assignors  
have sold, assigned, transferred and set over, and by these presents do sell, assign,  
transfer and set over, unto Assignee, its successors, legal representatives and  
assigns, the entire right, title and interest in and to the above-mentioned inventions  
and application for Letters Patent, and in and to any and all direct and indirect  
divisions, continuations and continuations-in-part of said application, and any and all  
Letters Patent in the United States which may be granted therefore and thereon, and  
reissues, reexaminations and extensions of said Letters Patent, and all rights under  
the International Convention for the Protection of Industrial Property, the same to be  
held and enjoyed by Assignee, for its own use and benefit and the use and benefit of  
its successors, legal representatives and assigns, to the full end of the term or terms  
for which Letters Patent may be granted and/or extended, as fully and entirely as the

same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

**AND** for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

**AND** for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

**AND** Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

**AND** Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order

to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

EDWARDS ANGELL PALMER & DODGE LLP

All practitioners at Customer Number 49383

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Jinong Li  
Jinong Li

Date: Feb 25/2008

United States of America )  
State of MO ) ss.: 212 53 5927  
County of Howard )

On this 25 day of Feburary, 2008, before me personally came Jinong Li, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Jennifer R. Dillaid  
Notary Public



Carolyn N. White  
Carolyn N. White

Date: Feb 25, 2008

United States of America )  
State of MD ) ss.: 220.96.0523  
County of Baltimore )

On this 25 day of February, 2008, before me personally came Carolyn N. White, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Jennifer R. Sklarik  
Notary Public



[Signature]  
Zhen Zhang

Date: Feb 25, 2008

United States of America )  
State of Maryland ) ss.: 200-64-0255  
County of Howard )

On this 25th day of Feb, 2008, before me personally came Zhen Zhang, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

[Signature]  
Notary Public



*Daniel W. Chan*  
Daniel W. Chan

Date: 2/25/08

United States of America )  
State of Maryland ) ss.: 541-66-1866  
County of Howard )

On this 25 day of Feb, 2008, before me personally came Daniel W. Chan, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

*Jennifer R. Dillard*  
Notary Public





PTO/SB/97 (09-04)  
Approved for use through 07/31/2006. OMB 0651-0031  
U. S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Application No. (if known): 11/662,830

Attorney Docket No.: 61849(71699)

### Certificate of Transmission under 37 CFR 1.8

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office.

on September 24, 2008  
Date



Signature

Jonathan M. Sparks, Ph.D.

Typed or printed name of person signing Certificate

53,624  
Registration Number, if applicable

(617) 517-5543  
Telephone Number

Note: Each paper must have its own certificate of transmission, or this certificate must identify each submitted paper.

Recordation Form Cover Sheet (1 page)  
Assignment (7 pages)  
Charge \$40.00 to deposit account 04-1105

**FAX TRANSMISSION****DATE:** September 24, 2008**PTO IDENTIFIER:** Application Number 11/662,830-Conf. #9772  
Patent Number**Inventor:** Jinong Li et al.**MESSAGE TO:** USPTO PTAS System**FAX NUMBER:** (571) 273-0140**FROM:** EDWARDS ANGELL PALMER & DODGE LLP  
Jonathan M. Sparks, Ph.D.**PHONE:** (617) 517-5543**Attorney Dkt. #:** 61849(71699)**PAGES (Including Cover Sheet):** 10**CONTENTS:** Recordation Form Cover Sheet (1 page)  
Assignment (7 pages)  
Charge \$40.00 to deposit account 04-1105  
Certificate of Transmission (1 page)

If your receipt of this transmission is in error, please notify this firm immediately by collect call to sender at (617) 517-5543 and send the original transmission to us by return mail at the address below.

**This transmission is intended for the sole use of the individual and entity to whom it is addressed, and may contain information that is privileged, confidential and exempt from disclosure under applicable law. You are hereby notified that any dissemination, distribution or duplication of this transmission by someone other than the intended addressee or its designated agent is strictly prohibited.**

**EDWARDS ANGELL PALMER & DODGE LLP**  
P.O. Box 55874, Boston, Massachusetts 02205  
Telephone: (617) 239-0100 Facsimile: (617) 227-4420