# PATENT ASSIGNMENT

# Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

# **CONVEYING PARTY DATA**

Name	Execution Date
Martin G. Pomper	11/01/2011
Chetan Bettegowda	08/31/2011
Catherine Foss	10/14/2011
Shibin Zhou	11/02/2011
Kenneth Kinzler	11/02/2011
Bert Vogelstein	11/02/2011

# **RECEIVING PARTY DATA**

Name:	The Johns Hopkins University	
Street Address:	3400 N. Charles Street	
City:	Baltimore	
State/Country:	MARYLAND	
Postal Code:	21218	

### PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	11629607	

# **CORRESPONDENCE DATA**

Fax Number: (617)227-4420 Phone: 617-239-0100

Email: patent@edwardswildman.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

via US Mail.

Correspondent Name: Edwards Wildman Palmer LLP

Address Line 1: P.O. Box 55874

Address Line 4: Boston, MASSACHUSETTS 02205

ATTORNEY DOCKET NUMBER: 63546 (71699)

**PATENT** 

REEL: 027247 FRAME: 0330

\$40.00

501728163 REEL:

# NAME OF SUBMITTER: Melissa Hunter-Ensor, Ph.D., Esq. Total Attachments: 9 source=63546US(71699) Signed Assginment#page1.tif source=63546US(71699) Signed Assginment#page2.tif source=63546US(71699) Signed Assginment#page3.tif source=63546US(71699) Signed Assginment#page4.tif source=63546US(71699) Signed Assginment#page5.tif source=63546US(71699) Signed Assginment#page6.tif source=63546US(71699) Signed Assginment#page7.tif source=63546US(71699) Signed Assginment#page8.tif source=63546US(71699) Signed Assginment#page8.tif source=63546US(71699) Signed Assginment#page9.tif

PATENT REEL: 027247 FRAME: 0331

### ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made by Martin G. Pomper; Chetan Bettegowda; Catherine Foss; Shibin Zhou; Kenneth Kinzler; and Bert Vogelstein (hereinafter referred to as Assignors), residing at 101 Churchwarden's Road, Baltimore, Maryland 21212; 10916 Robinson Rock Court, Charlotte, North Carolina 28227; 5929-C Western Run Drive, Baltimore, Maryland 21209; 820 Crystal Palace Court, Owings Mills, Maryland 21117; Room 589, Cancer Research Bldg., 1650 Orleans Street, Baltimore, Maryland 21231; and Room 589, Cancer Research Bldg., 1650 Orleans Street, Baltimore, Maryland 21231, respectively;

WHEREAS, Assignors have invented certain new and useful improvements in IMAGING INFECTION WITH COMPOUNDS THAT BIND TO THYMIDINE KINASE, set forth in a Patent application for which an International Application was filed on June 20, 2005, PCT/US2005/021888, and which was entered in the United States National Phase pursuant to 37 U.S.C. § 371 as Application Serial No. 11/629,607 on June 16, 2009; and

WHEREAS, The Johns Hopkins University, having a 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, for 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 abovementioned 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.

Date: ////	/4		Martin G.	Pomper
Date.	,			
United States of An		)		
State of	MARYLAND	) ss.:		
County of	MARYLAND BALTIMORE CITY	<u> </u>		•
On this	day of Novem	be,	2011	, before me
personally cáme	Martin G. Pom			to be the individual
	ho executed the foreg	oing instrun	nent, and ackno	owledged execution
of the same.		Æ.	ng Q bo	in
		Notary	Public /	

My Commission Expires January 19, 2012

01.1	Chetan Bettegowda
Date: 8/31/11	
United States of America	
State of MARYLAND	) ss.:
County of HARFORD	)
On this 3 day of Auguston Bettegov	
of the same.	ing instrument, and acknowledged execution
of the same.	Kathy am Berek
	Notary Public ∕/

63546US(71699)

KATHRYN ANNE BENDER NOTARY PUBLIC HARFORD COUNTY, MARYLAND MY COMM. EXP. 2-27-2015

Catherine Foss

Date: 10-14-2011 United States of America State of \$\$.: County of On this , before me day of , to me known to be the individual Catherine Foss personally came described in and who executed the foregoing instrument, and acknowledged execution of the same. Notary Public MARY G. COKLEY Notary Public Baltimore County

63546US(71699)

Maryland My Commission Expires Oct 25, 2013

		√ Shibin Z	hou	
Date: NWlmb	er 2, 2012			
United States of Am	nerica )			
State of	MARYLAND ) ss.:		•	
County of	HARFORD)			
On this $2$	day of November,	2011	, before me	
personally came	Shibin Zhou	_, to me known to	be the individual	
described in and wh	no executed the foregoing instrun	nent, and acknov	wledged execution	
of the same.	,	•	0	
	K	thryn	Unil Denla	_
	Notary	/ Public /		

KATHRYN ANNE BENDER NOTARY PUBLIC HARFORD COUNTY, MARYLAND MY COMM. EXP. 2-27-2015

Date: <u>November 2, 2011</u>

United States of America

State of County of

described in and who executed the foregoing instrument, and acknowledged execution

of the same.

**NOTARY PUBLIC** HARFORD COUNTY, MARYLAND MY COMM. EXP. 2-27-2015

			tein
Date: NNImber 2, 20			
United States of America State of MARYLA County of HARTOR	///) ) ss.:		
		to me known to	
of the same.	Notary I	thum	ame Bluele
	inotaly i	r upile //	

KATHRYN ANNE BENDER NOTARY PUBLIC HARFORD COUNTY, MARYLAND MY COMM. EXP. 2-27-2015

63546US(71699)

**RECORDED: 11/17/2011**