

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Stuart C. Ray	08/30/2007
Andrea L. Cox	08/30/2007
David L. Thomas	08/30/2007
RECEIVING PARTY DATA	
Name:	The Johns Hopkins University
Street Address:	3400 North Charles Street
Internal Address:	5th Floor
City:	Baltimore
State/Country:	MARYLAND
Postal Code:	21218
PROPERTY NUMBERS Total: 4	
Property Type	Number
Application Number:	11815203
Application Number:	60648550
Application Number:	60648877
PCT Number:	US0603514
CORRESPONDENCE DATA	
Fax Number:	(202)824-3001
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	2028243000
Email:	skagan@bannerwitcoff.com
Correspondent Name:	Sarah A. Kagan
Address Line 1:	1100 13th Street, NW
Address Line 2:	suite 1200
Address Line 4:	Washington, DISTRICT OF COLUMBIA 20005

CH \$160.00 11815203

500347700

PATENT
REEL: 019783 FRAME: 0159

ATTORNEY DOCKET NUMBER:	201107.00666
NAME OF SUBMITTER:	Sarah A. Kagan
Total Attachments: 2 source=executed Assignment#page1.tif source=executed Assignment#page2.tif	

ASSIGNMENT

WHEREAS, we 1) Stuart C. RAY, 2) Andrea L. COX, and 3) David L. THOMAS, are the inventors of certain inventions and improvements relating to:

Use of Consensus Sequence As Vaccine Antigen to Enhance Recognition of Virulent Viral Variants

As described in patent applications filed:

on July 31, 2007 as U.S. Application Serial No. 11/815,203,
on January 31, 2005 as U.S. Application Serial No. 60/648,550,
on February 2, 2005 as U.S. Application Serial No. 60/648,877, and
on January 31, 2006 as PCT Application Serial No. PCT/US2006/003514.

and WHEREAS

The Johns Hopkins University
3400 N. Charles Street, 5th Floor
Baltimore, MD 21218
U.S.A.,

ASSIGNEES, desire to acquire the entire right, title and interest in and to the said application, inventions and improvements and any patents that may be granted on or as a result thereof in the United States of America (U.S.) and in any and all foreign countries;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged,

We hereby assign, to the above named ASSIGNEES, their successors, assign and legal representatives (NOMINEES) the entire right, title and interest in and to said application, inventions and improvements throughout the world and to any and all patents, petty patents and utility model patents which may be granted therefor, and all continuations, continuations-in-part, divisions, reissues, extensions, renewals, and any non-provisional based on a provisional thereof (LETTERS PATENT).

And we covenant that we have full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement or do anything in conflict herewith;

And we further covenant and agree that will without undue delay execute without further consideration all such papers as may be necessary to perfect the title to said application, inventions and improvements, and LETTERS PATENT in the ASSIGNEES or their NOMINEES, and we agree to communicate to said ASSIGNEES or their NOMINEES all known facts respecting said application,

inventions, improvements, and LETTERS PATENT, to testify in any legal proceedings, to sign all lawful papers, and generally to do all things necessary to aid ASSIGNEES or their NOMINEES to obtain and enforce for their own benefit patent protection for said application, inventions and improvements in any and all countries, all at the expense, however, of the ASSIGNEES or their NOMINEES;

And we authorize the ASSIGNEES or their NOMINEES to file in our names or their own, as appropriate, application for LETTERS PATENT in any and all countries of the world, and we authorize and request the Commissioner of Patents and Trademarks of the United States, and any proper official of any country, to issue to said ASSIGNEES or their NOMINEES any and all LETTERS PATENT for said application, inventions and improvements, for their sole use, to the full end of the term for which such LETTERS PATENT may be granted;

And we hereby grant our attorneys at the law firm of Banner & Witcoff the power to insert into this document information sufficient to identify the patent application to which this assignment pertains.

Date: 8/30/07 Inventor: 
Stuart C. RAY

Date: 8/30/07 Inventor: 
Andrea L. COX

Date: 8/30/07 Inventor: 
David L. THOMAS

Note: No legalization or other witness required.

LAW OFFICES
BANNER & WITCOFF, LTD.
1100 13th Street, N.W.
Suite 1200
WASHINGTON, D.C. 20005-4051
(202) 824-3000