

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4148520

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	PHARMABRIDGE, INC.	09/30/2014
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	ENANTIGEN THERAPEUTICS, INC.	
<b>Street Address:</b>	3805 OLD EASTON ROAD	
<b>City:</b>	DOYLESTOWN	
<b>State/Country:</b>	PENNSYLVANIA	
<b>Postal Code:</b>	18902	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	14549777
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(215)972-1936	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>		
<b>Phone:</b>	215-972-1089	
<b>Email:</b>	patents@saul.com	
<b>Correspondent Name:</b>	DOMINGOS J. SILVA	
<b>Address Line 1:</b>	SAUL EWING LLP	
<b>Address Line 2:</b>	1500 MARKET STREET, 38TH FLOOR	
<b>Address Line 4:</b>	PHILADELPHIA, PENNSYLVANIA 19102	
<b>ATTORNEY DOCKET NUMBER:</b>	046528-7061US2 (00588)	
<b>NAME OF SUBMITTER:</b>	DOMINGOS J. SILVA	
<b>SIGNATURE:</b>	/Domingos J. Silva/	
<b>DATE SIGNED:</b>	11/17/2016	
<b>Total Attachments: 4</b>		
source=046528-7061US2_Pharmabridge_Enantigen_Therapeutics#page1.tif		
source=046528-7061US2_Pharmabridge_Enantigen_Therapeutics#page2.tif		
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source=046528-7061US2_Pharmabridge_Enantigen_Therapeutics#page4.tif		

## ASSIGNMENT

WHEREAS, Pharmabridge, Inc., a Pennsylvania corporation having a place of business at 3805 Old Easton Road, Doylestown, PA 18902, hereinafter generally referred to as "ASSIGNOR", is a joint owner and assignee of the inventions entitled:

### **"Novel Inhibitors of Secretion of Hepatitis B Virus Antigens"**

that are described in U.S. Provisional Patent Application No. 61/389,321 filed October 4, 2010, U.S. Patent Application No. 13/877,870 filed October 4, 2011 and an International PCT Application having Application No. PCT/US11/54726 filed October 4, 2011 ("Inventions").

WHEREAS, Enantigen Therapeutics, Inc., a Delaware corporation having a place of business at 3805 Old Easton Road, Doylestown, PA 18902, hereinafter generally referred to as "ASSIGNEE", is desirous of acquiring and/or confirming the acquisition of the Inventions.

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged and intending to be legally bound hereby, ASSIGNOR has assigned and/or hereby sells, assigns, transfers and conveys unto ASSIGNEE, the whole and entire right, title and interest in and to:

- a. all Inventions;
- b. the above patent applications and any and all United States and foreign patent applications disclosing one or more of the Inventions including, without limitation, applications for patents including provisionals, non-provisionals, divisions, continuations, continuations-in-part, utility models, PCT applications and designs and any other related United States and foreign applications and equivalents thereof ("Applications"), along with the right to claim priority to the Applications under any treaty relating thereto;
- c. all United States and foreign patents, utility models, inventor's certificates and designs and all equivalents thereof which may be granted for the Inventions or Applications, and post-grant actions including extensions, renewals, reissues and certificates thereof ("Patents"); and
- d. all rights to sue for and collect damages resulting from past, present and future infringement of all granted or to be granted Patents.

The Inventions, Applications and Patents to be held and enjoyed by the ASSIGNEE, for ASSIGNEE's own use and benefit, and for ASSIGNEE's legal representatives and assigns to the full end of the term or terms of said granted or to be granted Patents, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made; and for

the aforesaid consideration ASSIGNOR hereby covenants, agrees and undertakes to execute or cause to be executed, whenever requested by ASSIGNEE, all patent applications, assignments, declarations, lawful oaths and any other papers which ASSIGNEE may deem necessary or desirable for securing to ASSIGNEE or for maintaining for ASSIGNEE all the Inventions, Applications and Patents hereby assigned or agreed to be assigned; all without further compensation to the undersigned ASSIGNOR.

It is agreed that ASSIGNOR shall be legally bound, upon request and at the expense of ASSIGNEE or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the undersigned has knowledge or possession, relating to the making and practicing of the Inventions, and to testify in any legal proceeding relating thereto.

ASSIGNOR hereby represents and warrants that it has full right, power, and authority to enter into, execute, and deliver this Assignment, the execution and delivery of which have been duly authorized by all necessary action on the part of ASSIGNOR, and no other authorization or proceedings on the part of ASSIGNOR are necessary to authorize this Assignment. This Assignment has been duly executed and delivered and constitutes a valid, binding and enforceable assignment of the entire right, title, and interest in the Patents, Applications, and Inventions.

ASSIGNOR hereby warrants that no assignment, sale, agreement, or encumbrance has been or will be made or entered into which would conflict with this Assignment.

(TWO SIGNATURE PAGES FOLLOW)

September 30, 2014  
(Date)

Tong Xiao  
Pharmabridge, Inc.

Tong Xiao, Chief Executive Officer  
NAME, TITLE

STATE OF PENNSYLVANIA

:

: ss.

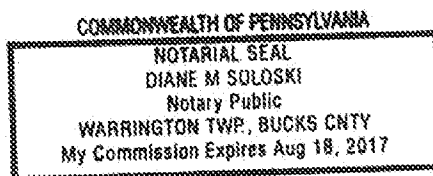
COUNTY OF BUCKS

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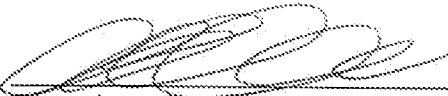
Before me, a notary public in and for the State and County aforesaid, on this 30<sup>th</sup> day of September, 2014, personally appeared Tong Xiao, who being known to me (or satisfactorily proven), and who having first executed the foregoing Assignment in connection with the inventions entitled "Novel Inhibitors of Secretion of Hepatitis B Virus Antigens" in my presence and have been by me first duly sworn, did acknowledge the foregoing instrument as his free deed and act, signed, sealed and delivered by him for the purpose therein stated and intending to be legally bound thereby and intending that said instrument be recorded.

Diane M. Soloski  
Notary Public

My Commission Expires:



September 30, 2014  
(Date)

  
Enantigen Therapeutics, Inc.

Xiaodong Xu, President  
NAME, TITLE

STATE OF PENNSYLVANIA

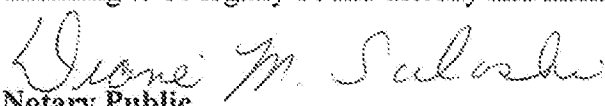
:

: ss.

COUNTY OF BUCKS

:

Before me, a notary public in and for the State and County aforesaid, on this 30<sup>th</sup> day of September, 2014, personally appeared Xiaodong Xu, who being known to me (or satisfactorily proven), and who having first executed the foregoing Assignment in connection with the inventions entitled "Novel Inhibitors of Secretion of Hepatitis B Virus Antigens" in my presence and have been by me first duly sworn, did acknowledge the foregoing instrument as his free deed and act, signed, sealed and delivered by him for the purpose therein stated and intending to be legally bound thereby and intending that said instrument be recorded.

  
Notary Public

My Commission Expires:

COMMONWEALTH OF PENNSYLVANIA

NOTARIAL SEAL  
DIANE M SOLOSKI  
Notary Public  
WARRINGTON TWP, BUCKS CNTY  
My Commission Expires Aug 18, 2017