

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>QING XU</td> <td>09/24/2013</td> </tr> <tr> <td>ZHE LI</td> <td>09/24/2013</td> </tr> <tr> <td>BRIAN W. METCALF</td> <td>09/24/2013</td> </tr> </tbody> </table>		Name	Execution Date	QING XU	09/24/2013	ZHE LI	09/24/2013	BRIAN W. METCALF	09/24/2013
Name	Execution Date								
QING XU	09/24/2013								
ZHE LI	09/24/2013								
BRIAN W. METCALF	09/24/2013								
RECEIVING PARTY DATA									
Name:	GLOBAL BLOOD THERAPEUTICS, INC.								
Street Address:	400 EAST JAMIE COURT, SUITE 101								
City:	SOUTH SAN FRANCISCO								
State/Country:	CALIFORNIA								
Postal Code:	94080								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13815776</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13815776				
Property Type	Number								
Application Number:	13815776								
CORRESPONDENCE DATA									
Fax Number:	8587926773								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	858-847-6700								
Email:	djones-beasley@foley.com								
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Address Line 1:	Foley & Lardner LLP								
Address Line 2:	P.O. Box 80278								
Address Line 4:	San Diego, CALIFORNIA 92138-0278								
ATTORNEY DOCKET NUMBER:	104592-0500								
NAME OF SUBMITTER:	Gerald F. Swiss/Reg. No. 30113								
Signature:	/Brian S. Sun/ Reg. No. 64,694 for								

Date:

10/01/2013

**Total Attachments: 4**

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**ASSIGNMENT - WORLDWIDE**

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor (hereinafter referred to singly and collectively as "ASSIGNOR") has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto

GLOBAL BLOOD THERAPEUTICS, INC.  
400 EAST JAMIE COURT, SUITE 101  
SOUTH SAN FRANCISCO, CALIFORNIA 94080

(hereinafter referred to as "ASSIGNEE") its successors and assigns, the full and exclusive right, title and interest for the United States, its territories and possessions, and all foreign countries in and to this invention relating to

**COMPOUNDS AND USES THEREOF FOR THE MODULATION OF HEMOGLOBIN**

as set forth in this United States Patent Application Serial No. 13/815,776, filed March 15, 2013 as well as in and to (a) all improvements and modifications of the above-identified invention or inventions, (b) the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto for above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the Patent Cooperation Treaty, the Paris Convention and any other international agreement; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY AUTHORIZES ASSIGNEE to file patent applications in any or all countries on the above-identified invention or inventions in the name of the undersigned or in the name of ASSIGNEE or otherwise as ASSIGNEE may deem advisable under the International Convention or otherwise.

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

ASSIGNOR HEREBY AGREES (a) to communicate to ASSIGNEE, its successors and assigns, or their representative or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement

purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, and declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNOR UNDERSTANDS AND AGREES that the attorneys and agents of the law firm of **Foley & Lardner LLP** do not personally represent ASSIGNOR OR ASSIGNOR's legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

Executed this 24<sup>th</sup> day of September, 2013.

[Signature]  
QING XU

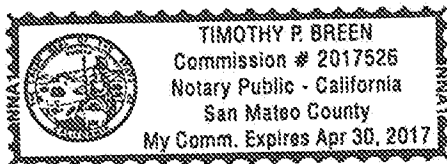
State of California )  
County of San Mateo )

On this 24 day of September, 2013, before me, Timothy P. Breen, Notary Public (a notary public in and for said county), personally appeared QING XU, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature Timothy P. Breen

My Commission Expires: April 30, 2017



Executed this 24 day of September, 2013.

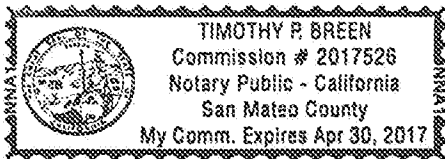
[Signature]  
ZHE LI

State of California )

County of San Mateo )

On this 24 day of September, 2013, before me, Timothy P. Breen Notary Public a notary public in and for said county), personally appeared ZHE LI, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.



Signature [Signature]

My Commission Expires: April 30, 2017

Executed this 24 day of September, 2013

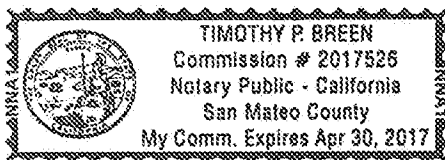
[Signature]  
BRIAN W. METCALF

State of California )

County of San Mateo )

On this 24 day of September, 2013, before me, Timothy P. Breen Notary Public a notary public in and for said county), personally appeared BRIAN W. METCALF, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.



Signature [Signature]

My Commission Expires: April 30, 2017

**ACKNOWLEDGMENT**

State of: California

County of: San Mateo

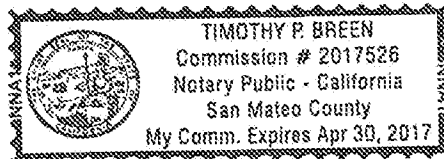
On September 24, 2013, before me, Timothy P. Breen Notary Public  
(name and title of the officer)

personally appeared Qing Xu, Zhe Li, Brian W. Motcalf

who proved to me on the basis of satisfactory evidence to be the person (s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity (ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal



Timothy P. Breen  
Signature of Notary Public

(seal)