

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5213537

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ROBERT TOSO	04/12/2018
RICHARD SPANGGORD	04/12/2018
MEI TAN	04/10/2018
VAN TAIRIOL	04/06/2018
YEKATERINA LIN	04/17/2018
RECEIVING PARTY DATA	
Name:	SHIRE HUMAN GENETIC THERAPIES, INC.
Street Address:	300 SHIRE WAY
City:	LEXINGTON
State/Country:	MASSACHUSETTS
Postal Code:	02421
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16048999
CORRESPONDENCE DATA	
Fax Number:	(617)856-8201
<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>	
Phone:	617-856-8483
Email:	ip@brownrudnick.com
Correspondent Name:	THOMAS C. MEYERS, ESQ.
Address Line 1:	BROWN RUDNICK LLP
Address Line 2:	ONE FINANCIAL CENTER
Address Line 4:	BOSTON, MASSACHUSETTS 02111
ATTORNEY DOCKET NUMBER:	SHIR-009/01US 33543/63
NAME OF SUBMITTER:	THOMAS C. MEYERS
SIGNATURE:	/Thomas C. Meyers/
DATE SIGNED:	10/30/2018
Total Attachments: 10	

source=SHIR-009-01US-Assignment#page1.tif
source=SHIR-009-01US-Assignment#page2.tif
source=SHIR-009-01US-Assignment#page3.tif
source=SHIR-009-01US-Assignment#page4.tif
source=SHIR-009-01US-Assignment#page5.tif
source=SHIR-009-01US-Assignment#page6.tif
source=SHIR-009-01US-Assignment#page7.tif
source=SHIR-009-01US-Assignment#page8.tif
source=SHIR-009-01US-Assignment#page9.tif
source=SHIR-009-01US-Assignment#page10.tif

ASSIGNMENT

WHEREAS we, the below named inventor(s),

**Robert Toso;
Richard Spangord;
Mei Tan;
Van Tairiol; and
Yekaterina Lin,**

hereinafter referred to as "Assignor(s)" have made an invention(s), hereinafter referred to as the "Invention(s)," set forth in an application for patent, entitled: **ANTIBODY-RESIN COUPLING**, which is a:

- (1) provisional application
 - (a) to be filed herewith; or
 - (b) bearing Application No. **62/541,601**, and filed on **August 4, 2017**; or

- (2) non-provisional application
 - (a) to be filed herewith; or
 - (b) bearing Application No. **16/048,999** filed on **July 30, 2018**.

WHEREAS, SHIRE HUMAN GENETIC THERAPIES, INC., which has a post office address at **300 Shire Way, Lexington, MA 02421** (the "Assignee"), is desirous of acquiring the entire right, title, and interest in: the Inventions; the applications for patent identified above; the right to file applications for patent of any country on the Inventions; any application for patent of any country claiming priority to these applications; any provisional or other right to recover damages, including royalties, for prior infringements of these patents applications; and any patent of any country that may be granted therefor or thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, and to the extent that the Assignor has not done so already via a prior agreement with the Assignee, or if the Assignor has already done so via a prior agreement with the Assignee then in confirmation of any obligation to do so in said prior agreement, the Assignor has sold, assigned, transferred, and set over, and by these presents does sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns, the Assignor's entire right, title, and interest in:

- (a) the Invention(s);

- (b) the application for patent identified above;

(c) the right to file applications for patent of any country on the Invention(s), including all rights under the Paris Convention for the Protection of Industrial Property and under the Patent Cooperation Treaty;

(d) any application(s) for patent of any country claiming the Invention(s);

(e) any application(s) for patent of any country claiming priority to the application for patent identified above or any application(s) for patent claiming the Invention(s), including any division(s), continuation(s), and continuation(s)-in-part; and

(f) any provisional or other right to recover damages, including royalties, for prior infringements of any application for patent identified in the preceding paragraphs (b)-(e); and

(g) any patent(s) of any country that may be granted for or on any application for patent identified in the preceding paragraphs (b) – (e), including any reissue(s) and extension(s) of said patent(s).

The above-granted rights, titles, and interests are to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, as fully and entirely as the same would have been held and enjoyed by the Assignor had this sale and assignment not been made.

The Assignor hereby represents to the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, or if applicable, at such time said prior agreement was executed, the Assignor is a lawful owner of an undivided interest in the entire right, title, and interest in and to the Invention(s), that the Invention(s) are unencumbered, except, if applicable, by obligation to assign in accordance with said prior agreement, and that the Assignor has good and full right and lawful authority to sell and convey the same in the manner set forth herein.

The Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns, that the Assignor will sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done in connection with any and all proceedings for the procurement, maintenance, enforcement and defense of the Invention(s), said applications, and said patents, including interference proceedings, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns.

The Assignor hereby authorizes and requests the attorneys of BROWN RUDNICK LLP to insert in the spaces provided above the filing date, the application number, and the attorney docket number of the application identified in paragraph (1) or (2) when known.

The Assignor hereby requests the patent authority to issue/grant said patents of their respective country to the Assignee for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date: April 12, 2018

By: [Signature]
Robert Toso

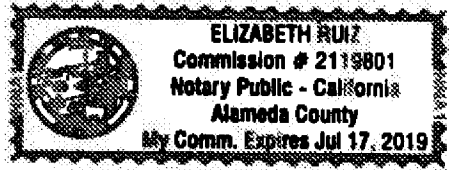
State of California)
County of Alameda) ss.

On April 12, 2018, before me, Elizabeth Ruiz,
Notary Public, personally appeared **Robert Toso**, 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 executed the same in his authorized capacity, and that by
his signature on the instrument the person, or the entity upon behalf of which the person
acted, executed the instrument.

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

WITNESS my hand and official seal.

[Signature] (Seal)
Signature



My Commission Expires: July 17, 2019

Date: 12 APR 2018

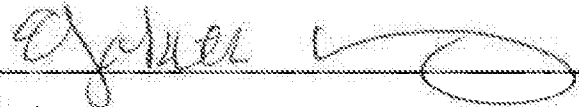
By: 
Richard Spanggard

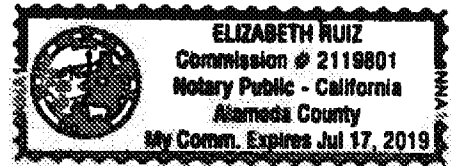
State of California)
County of Alameda) ss.

On April 12, 2018, before me, Elizabeth Ruiz,
Notary Public, personally appeared **Richard Spanggard**, 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 executed the same in his authorized capacity,
and that by his signature on the instrument the person, or the entity upon behalf of which
the person acted, executed the instrument.

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

WITNESS my hand and official seal.

 (Seal)
Signature



My Commission Expires: July 17, 2019

Date: April 10, 2018

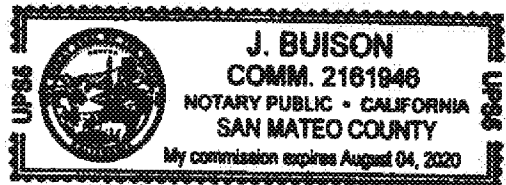
By: [Signature]
Mei Tan

State of California)
County of San Mateo) ss.

On April 10th 2018, before me, J. Buisson,
Notary Public, personally appeared Mei Tan, 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 she executed the same in ^{her} authorized capacity, and that by
^{her} signature on the instrument the person, or the entity upon behalf of which the person
acted, executed the instrument.

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

WITNESS my hand and official seal.



[Signature] (Seal)
Signature

My Commission Expires: 08/04/2020

Date: APRIL 6, 2018

By: *Van Tairiol*
Van Tairiol

State of California)
County of El Dorado) **ss.**

On April 06, 2018, before me, *Susan Barney*,
Notary Public, personally appeared **Van Tairiol**, 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 executed the same in his authorized capacity, and that by
his signature on the instrument the person, or the entity upon behalf of which the person
acted, executed the instrument.

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

WITNESS my hand and official seal.

Susan Barney (Seal)
Signature



My Commission Expires: Aug. 06, 2021

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)
County of Santa Clara)

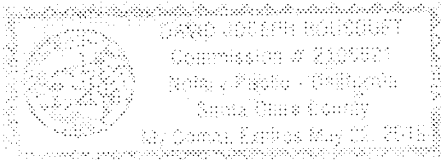
On 04/17/2018 before me, DAVID JOSEPH BOUSQUET, Notary Public,
Date Here Insert Name and Title of the Officer

personally appeared Yekaterina A Lin
Name(s) of Signer(s)

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.



Signature [Handwritten Signature]
Signature of Notary Public

Place Notary Seal Above

OPTIONAL

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document
Title or Type of Document: Attorney Document No. SH111-009 Document Date: _____
Number of Pages: 9 Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)
Signer's Name: _____
 Corporate Officer -- Title(s): _____
 Partner -- Limited General
 Individual Attorney in Fact
 Trustee Guardian or Conservator
 Other: _____
Signer Is Representing: _____

Date: April 26, 2018

Signature: _____

Print Name: _____

Patrick S. Eaglemen
Global Head Immunology & Biosimilars IP

Title: _____

SHIRE HUMAN GENETIC THERAPIES, INC.

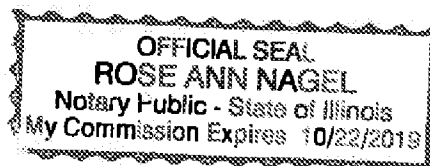
State of ^{Illinois} ~~California~~)
County of Lake) ss.

On April 26, 2017, before me, ^{Rose Ann Nagel} ~~Patrick S. Eaglemen~~,
Notary Public, personally appeared Patrick S. Eaglemen, 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 executed the same in his authorized capacity, and that by
his signature on the instrument the person, or the entity upon behalf of which the person
acted, executed the instrument.

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

WITNESS my hand and official seal.

Rose Ann Nagel (Seal)
Signature



My Commission Expires: October 22, 2019