

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5202867

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
STEVEN P. TREON	06/29/2016
SARA JEAN BUHRLAGE	06/29/2016
NATHANAEL S. GRAY	06/29/2016
LI TAN	06/29/2016
GUANG YANG	06/29/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	DANA-FARBER CANCER INSTITUTE, INC.
<b>Street Address:</b>	450 BROOKLINE AVENUE
<b>City:</b>	BOSTON
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	02215
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15904143
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(617)646-8646
<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>	6176468000
<b>Email:</b>	patents_WilliamZ@wolfgreenfield.com, taylor.mace@wolfgreenfield.com
<b>Correspondent Name:</b>	WEI ZHANG
<b>Address Line 1:</b>	WOLF, GREENFIELD & SACKS, P.C.
<b>Address Line 2:</b>	600 ATLANTIC AVENUE
<b>Address Line 4:</b>	BOSTON, MASSACHUSETTS 02210
<b>ATTORNEY DOCKET NUMBER:</b>	D0504.70049US03
<b>NAME OF SUBMITTER:</b>	CHELSEA E. DOWLING
<b>SIGNATURE:</b>	/Chelsea E. Dowling/
<b>DATE SIGNED:</b>	10/24/2018
<b>Total Attachments: 14</b>	

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## ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned Assignor, hereby:

1. Sell, assign, and transfer to Dana-Farber Cancer Institute, Inc., a Massachusetts corporation, having a place of business at 450 Brookline Avenue, Boston, Massachusetts 02215, its successors, assigns, and legal representatives, all hereinafter referred to as the Assignee, my entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions and designs which are disclosed in the international PCT application filed on December 12, 2014, under Serial No. PCT/US2014/070167, bearing Attorney Docket No. D0504.70049WO00, and entitled METHODS TO TREAT LYMPHOPLASMACYTIC LYMPHOMA, and in the U.S. national stage patent application filed with the United States Patent and Trademark Office on June 13, 2016 under U.S.S.N. 15/104,005, bearing Attorney Docket No. D0504.70049US02, and entitled METHODS TO TREAT LYMPHOPLASMACYTIC LYMPHOMA, and in and to the application, and all corresponding provisional, non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent applications, utility models, industrial designs, or similar intellectual property rights which have been or shall be filed in the United States, internationally, and in any foreign country, including, but not limited to, China, Japan, and Korea, on any of the inventions; and in and to all original and reissued patents which have been or shall be issued in the United States or any other jurisdiction on the inventions, including the right to apply for patent rights in each foreign country and all rights to priority, including the right to claim priority for China, Japan, and Korea, as well as the right to sue in its own name and recover damages for past infringement of any United States Letters Patent and foreign patent;
2. Agree that the Assignee may apply for and receive patent and utility model and industrial design registrations for the inventions in its own name; and when requested, without charge to but at the expense of the Assignee, we agree to carry out in good faith the intent and purpose of this assignment, by executing all non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent, utility model, and industrial design applications on any and all the inventions, by executing all rightful oaths, assignments, powers of attorney, and other papers, by communicating to the Assignee all facts known to me relating to the inventions and the history thereof, and generally by doing everything reasonably possible which the Assignee shall consider desirable for aiding in securing and maintaining proper protection for the inventions and for vesting title to the inventions and all applications for patents and all patents on the inventions, in the Assignee;
3. Request the Director of the United States Patent and Trademark Office and non-US patent authorities to issue the patent to the Assignee;
4. Covenant with the Assignee that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me; and
5. Appoint Assignee, through its designee, my attorney-in-fact to execute, in my name and on my behalf, any and all documents required to effectuate this Assignment, specifically including, but not limited to, those documents specified above and any necessary corrective assignments.

This instrument is executed under seal and signed under the pains and penalties of perjury under the laws of the United States of America.


D0504.70049  
DFCI 1776.020  
DFCI 1776.010

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4820302.1

**PATENT**  
**REEL: 047290 FRAME: 0697**

Date 6/29/2014

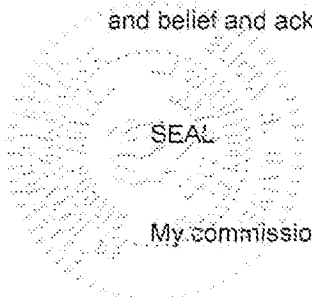
Inventor:   
Steven P. Treon

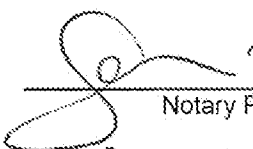
Address: 180 Pond Street  
Jamaica Plain, Massachusetts 02130

Citizenship: US

STATE/Commonwealth of Massachusetts  
COUNTY OF Suffolk

On this 29 day of June, 2014 before me, the undersigned notary public,  
personally appeared Steven P. Treon, proved to me through satisfactory evidence of  
identification, which were Massachusetts Driver License  
to be the person who signed the preceding or attached document in my presence and swore or affirmed  
to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge  
and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.



  
Notary Public  
My commission expires: May 6, 2022

Date 6/29/16

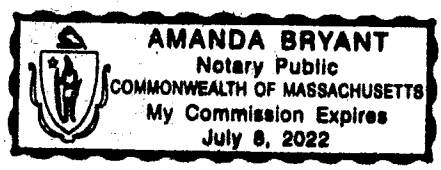
Inventor: Sara Buhrlage  
Sara Jean Buhrlage  
Address: 28 Josephine Avenue  
Somerville, Massachusetts 02144  
Citizenship: US

STATE/Commonwealth of Massachusetts  
COUNTY OF Suffolk :

On this 29th day of June, 2016, before me, the undersigned notary public, personally appeared Sara Jean Buhrlage, proved to me through satisfactory evidence of identification, which were Drivers License, to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

SEAL Amanda Bryant  
Notary Public

My commission expires: July 8, 2022



Date 6/29/2016

Inventor: Nathanael S. Gray  
Address: 26 Greenview Avenue  
Boston, Massachusetts 02130  
Citizenship: US

STATE/Commonwealth of Massachusetts  
COUNTY OF Suffolk:

On this 29th day of June, 2016, before me, the undersigned notary public, personally appeared Nathanael S. Gray, proved to me through satisfactory evidence of identification, which were Drivers License, to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

SEAL Amanda Bryant  
Notary Public

My commission expires: July 8, 2022

\_\_\_\_\_  
Date

\_\_\_\_\_  
Inventor: Li Tan

Address: 400 Brookline Avenue, Apt. 5B  
Boston, Massachusetts 02115

Citizenship: People's Republic of China

STATE/Commonwealth of \_\_\_\_\_  
COUNTY OF \_\_\_\_\_:

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, before me, the undersigned notary public, personally appeared \_\_\_\_\_ Li Tan \_\_\_\_\_, proved to me through satisfactory evidence of identification, which were \_\_\_\_\_, to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

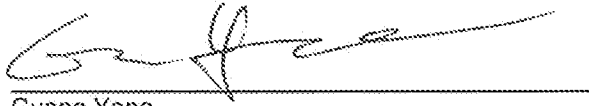
SEAL

\_\_\_\_\_  
Notary Public

My commission expires: \_\_\_\_\_



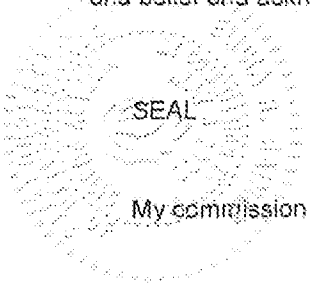
06/29/2016  
Date

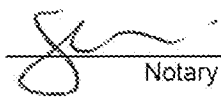


Inventor: Guang Yang  
Address: 3 Jennifer Circle  
Natick, Massachusetts 01760  
Citizenship: US

STATE/Commonwealth of Massachusetts  
COUNTY OF Suffolk

On this 29 day of June, 2016, before me, the undersigned notary public, personally appeared Guang Yang, proved to me through satisfactory evidence of identification, which were Mass. Driver's License to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.



  
Notary Public

My commission expires: May 6, 2022

## ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned Assignor, hereby:

1. Sell, assign, and transfer to Dana-Farber Cancer Institute, Inc., a Massachusetts corporation, having a place of business at 450 Brookline Avenue, Boston, Massachusetts 02215, its successors, assigns, and legal representatives, all hereinafter referred to as the Assignee, my entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions and designs which are disclosed in the international PCT application filed on December 12, 2014, under Serial No. PCT/US2014/070167, bearing Attorney Docket No. D0504.70049WO00, and entitled METHODS TO TREAT LYMPHOPLASMACYTIC LYMPHOMA, and in the U.S. national stage patent application filed with the United States Patent and Trademark Office on June 13, 2016 under U.S.S.N. 15/104,005, bearing Attorney Docket No. D0504.70049US02, and entitled METHODS TO TREAT LYMPHOPLASMACYTIC LYMPHOMA, and in and to the application, and all corresponding provisional, non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent applications, utility models, industrial designs, or similar intellectual property rights which have been or shall be filed in the United States, internationally, and in any foreign country, including, but not limited to, China, Japan, and Korea, on any of the inventions; and in and to all original and reissued patents which have been or shall be issued in the United States or any other jurisdiction on the inventions, including the right to apply for patent rights in each foreign country and all rights to priority, including the right to claim priority for China, Japan, and Korea, as well as the right to sue in its own name and recover damages for past infringement of any United States Letters Patent and foreign patent;

2. Agree that the Assignee may apply for and receive patent and utility model and industrial design registrations for the inventions in its own name; and when requested, without charge to but at the expense of the Assignee, we agree to carry out in good faith the intent and purpose of this assignment, by executing all non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent, utility model, and industrial design applications on any and all the inventions, by executing all rightful oaths, assignments, powers of attorney, and other papers, by communicating to the Assignee all facts known to me relating to the inventions and the history thereof, and generally by doing everything reasonably possible which the Assignee shall consider desirable for aiding in securing and maintaining proper protection for the inventions and for vesting title to the inventions and all applications for patents and all patents on the inventions, in the Assignee;

3. Request the Director of the United States Patent and Trademark Office and non-US patent authorities to issue the patent to the Assignee;

4. Covenant with the Assignee that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me; and

5. Appoint Assignee, through its designee, my attorney-in-fact to execute, in my name and on my behalf, any and all documents required to effectuate this Assignment, specifically including, but not limited to, those documents specified above and any necessary corrective assignments.

D0504.70049  
DFCI 1778.020  
DFCI 1778.010

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This instrument is executed under seal and signed under the pains and penalties of perjury under the laws of the United States of America.

D0504.70049  
DFCI 1778.020  
DFCI 1778.010

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4820302.1

**PATENT**  
**REEL: 047290 FRAME: 0704**

\_\_\_\_\_  
Date

\_\_\_\_\_  
Inventor: Steven P. Treon

Address: 180 Pond Street

Jamaica Plain, Massachusetts 02130

Citizenship: US

STATE/Commonwealth of \_\_\_\_\_

COUNTY OF \_\_\_\_\_

On this \_\_\_\_\_ day of \_\_\_\_\_, before me, the undersigned notary public,  
personally appeared \_\_\_\_\_ Steven P. Treon \_\_\_\_\_, proved to me through satisfactory evidence of  
identification, which were \_\_\_\_\_,

to be the person who signed the preceding or attached document in my presence and swore or affirmed  
to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge  
and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

SEAL

\_\_\_\_\_  
Notary Public

My commission expires: \_\_\_\_\_

\_\_\_\_\_  
Date

\_\_\_\_\_  
Inventor: Sara Jean Buhrlage

Address: 28 Josephine Avenue

Somerville, Massachusetts 02144

Citizenship: US

STATE/Commonwealth of \_\_\_\_\_  
COUNTY OF \_\_\_\_\_:

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, before me, the undersigned notary public,  
personally appeared \_\_\_\_\_ Sara Jean Buhrlage \_\_\_\_\_, proved to me through satisfactory evidence of  
identification, which were \_\_\_\_\_,

to be the person who signed the preceding or attached document in my presence and swore or affirmed  
to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge  
and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

SEAL

\_\_\_\_\_  
Notary Public

My commission expires: \_\_\_\_\_

\_\_\_\_\_  
Date

\_\_\_\_\_  
Inventor: Nathanael S. Gray

Address: 26 Greenview Avenue

Boston, Massachusetts 02130

Citizenship: US

STATE/Commonwealth of \_\_\_\_\_  
COUNTY OF \_\_\_\_\_

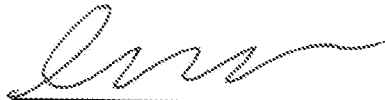
On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, before me, the undersigned notary public, personally appeared \_\_\_\_\_ Nathanael S. Gray \_\_\_\_\_, proved to me through satisfactory evidence of identification, which were \_\_\_\_\_, to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

SEAL


\_\_\_\_\_  
Notary Public

My commission expires: \_\_\_\_\_

06-29-2016  
Date

  
Inventor: Li Tan  
Address: 400 Brookline Avenue, Apt. 5B 573 Bibo Rd. Bldg 8, Rm 201  
Boston, Massachusetts 02115 Pudong, Shanghai, 201203  
Citizenship: People's Republic of China

Witness:  
6/29/2016  
Date

  
Signature

Name: Ying Li

Address: 26 Biyue Rd. Bldg 6  
Pudong, Shanghai, 201210  
CHINA

Witness:  
6/29/2016  
Date

Yu Cai  
Signature

Name: Yu Cai

Address: 26 Biyue Rd. Bldg 6  
Pudong, Shanghai, 201210  
CHINA

\_\_\_\_\_  
Date

\_\_\_\_\_  
Inventor: Guang Yang

Address: 3 Jennifer Circle

Natick, Massachusetts 01760

Citizenship: US

STATE/Commonwealth of \_\_\_\_\_  
COUNTY OF \_\_\_\_\_ :

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, before me, the undersigned notary public, personally appeared \_\_\_\_\_ Guang Yang \_\_\_\_\_, proved to me through satisfactory evidence of identification, which were \_\_\_\_\_, to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

SEAL

\_\_\_\_\_  
Notary Public

My commission expires: \_\_\_\_\_

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DFCI 1776.020  
DFCI 1776.010

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