

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3051962

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JIE ZHOU	06/03/2010
CHING FUN LAU	06/03/2010
ZHIWEN XU	06/03/2010
WING SZE LO	06/03/2010
KRISTI HELEN PIEHL	06/01/2010
LESLIE ANN GREENE	06/01/2010
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ATYR PHARMA, INC.
<b>Street Address:</b>	3545 JOHN HOPKINS COURT
<b>Internal Address:</b>	SUITE 250
<b>City:</b>	SAN DIEGO
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	92121
<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14262272
<b>Patent Number:</b>	8753638
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)842-7899
<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>	2064528700
<b>Email:</b>	WTHOMAS@COOLEY.COM
<b>Correspondent Name:</b>	COOLEY LLP
<b>Address Line 1:</b>	1299 PENNSYLVANIA AVENUE, NW SUITE 700
<b>Address Line 2:</b>	ATTN: PATENT DEPARTMENT/MARK ROGEL
<b>Address Line 4:</b>	WASHINGTON, D.C. 20004
<b>ATTORNEY DOCKET NUMBER:</b>	ATYR-015_1
<b>NAME OF SUBMITTER:</b>	MARK E. ROGEL
<b>SIGNATURE:</b>	/Mark E. Rogel/

PATENT

<b>DATE SIGNED:</b>	10/03/2014
<b>Total Attachments: 7</b> source=ATYR-015_INV_ATYR_1#page1.tif source=ATYR-015_INV_ATYR_1#page2.tif source=ATYR-015_INV_ATYR_1#page3.tif source=ATYR-015_INV_ATYR_1#page4.tif source=ATYR-015_INV_ATYR_1#page5.tif source=ATYR-015_INV_ATYR_1#page6.tif source=ATYR-015_INV_ATYR_1#page7.tif	

## ASSIGNMENT

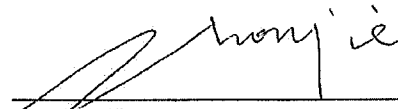
WHEREAS, we, Jie ZHOU; Ching Fun LAU; Zhiwen XU; Wing Sze LO; Kristi Helen PIEHL and Leslie Ann GREENE (hereinafter referred to as ASSIGNORS), having mailing addresses of Tai Po Tsai Village, 18-1/F, Clear Water Bay, Kowloon, Hong Kong, China; Room 1913, Shek Jing House, Chun Shek Estate, Shatin, New Territories, Hong Kong, China; No. 55, 1/F, Tai Po Tsai Village, Clear Water Bay Road, Kowloon, Hong Kong, China; Room 815, Sui Ming House, Siu Sai Wan Estate, Chai Wan, Hong Kong, China; 5321 Zion Avenue, San Diego, California 92120 and 13941 Davenport Avenue, San Diego, California 92129, respectively, are the joint inventors of an invention entitled "COMPOSITIONS AND METHODS COMPRISING HISTIDYL-tRNA SYNTHETASE SPLICE VARIANTS HAVING NON-CANONICAL BIOLOGICAL ACTIVITIES," as described and claimed in the specification for which an application for United States letters patent was filed on March 16, 2010, and assigned Application No. 12/725,272 ; This application claims the benefit of U.S. Provisional Application Nos. 61/239,747, filed on September 3, 2009, and 61/160,630, filed on March 16, 2009;

WHEREAS, aTyr Pharma, Inc. (hereinafter referred to as ASSIGNEE), a corporation of the State of Delaware having a place of business at 3565 General Atomics Court, Suite 103, San Diego, California 92121 is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions including any extensions or adjustments in term thereof and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to

ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding letters patent, or for the purpose of protecting title to said invention or letters patent therefor.


2010-06-03  
Date

  
Jie ZHOU

I certify that I know or have satisfactory evidence that Jie ZHOU signed this instrument of his/her own free will, as a voluntary act for the uses and purposes mentioned in the instrument.

Date 3 June 2010  
(Type or Print)

Siu Tze MAK  
(Type or Print Name of Witness)

Signed at Hong Kong, China  
  
(Signature of Witness)

3 June 2010  
Date

Ching Fun Lau  
Ching Fun Lau

I certify that I know or have satisfactory evidence that Ching Fun LAU signed this instrument of his/her own free will, as a voluntary act for the uses and purposes mentioned in the instrument.

Date 3 June 2010  
(Type or Print)  
Siu Tze MAK  
(Type or Print Name of Witness)

Signed at Hong Kong, China  
Siu Tze Mak  
(Signature of Witness)

2010. Jun. 3.  
Date

Zhiwen XU  
Zhiwen XU

I certify that I know or have satisfactory evidence that Zhiwen XU signed this instrument of his/her own free will, as a voluntary act for the uses and purposes mentioned in the instrument.

Date 3 June 2010  
(Type or Print)  
Sin Tze MAK  
(Type or Print Name of Witness)

Signed at Hong Kong, China  
[Signature]  
(Signature of Witness)

3<sup>rd</sup> June, 2010  
Date

Wing Sze LO  
Wing Sze LO

I certify that I know or have satisfactory evidence that Wing Sze LO signed this instrument of his/her own free will, as a voluntary act for the uses and purposes mentioned in the instrument.

Date 3 June 2010  
(Type or Print)

Sin Tze MAK  
(Type or Print Name of Witness)

Signed at Hong Kong, China  
[Signature]  
(Signature of Witness)

Date 6/1/2010

Kristi Helen Piehl  
Kristi Helen PIEHL

State of California

County of San Diego

On June 1, 2010, before me, Theresa A. Davis, Notary Public  
(Here insert name and title of the officer)  
personally appeared Kristi Helen Piehl,

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.

Theresa A. Davis  
Signature of Notary Public

(Notary Seal)





6/1/2010  
Date

Leslie Ann Greene  
Leslie Ann GREENE

State of California

County of San Diego

On June 1, 2010, before me, Theresa A. Davis, Notary Public  
(Here insert name and title of the officer)  
personally appeared Leslie Ann Greene,

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.

Theresa A. Davis  
1015019.1.DOC  
(120161.415)

