## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
Roger B. Clark	02/28/2011
Minsheng He	02/28/2011
Louis Plamondon	02/28/2011
Xiao-Yi Xiao	02/28/2011
Magnus Ronn	02/28/2011

#### **RECEIVING PARTY DATA**

Name:	Tetraphase Pharmaceuticals, Inc.	
Street Address:	480 Arsenal Street	
Internal Address:	Suite 110	
City:	Watertown	
State/Country:	MASSACHUSETTS	
Postal Code:	02472	

#### PROPERTY NUMBERS Total: 1

Property Type	Number
PCT Number:	US1001348

## **CORRESPONDENCE DATA**

501453943

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ATTORNEY DOCKET NUMBER: 4142.1019-001

**PATENT** 

REEL: 025886 FRAME: 0212

NAME OF SUBMITTER:	Kellie J. Varno
Total Attachments: 4 source=4142.1019-001- Assignment#page2 source=4142.1019-001- Assignment#page3 source=4142.1019-001- Assignment#page3 source=4142.1019-001- Assignment#page4	2.tif 3.tif

PATENT REEL: 025886 FRAME: 0213

Joint

## ASSIGNMENT

WHEREAS, we, Roger B. Clark, Minsheng He, Louis Plamondon, Xiao-Yi Xiao and Magnus Rönn, have invented a certain improvement in 8-AZA Tetracycline Compounds described in an application for Patent,

	the specification of which is about to be filed in the United States Patent Office (use for utility (37 CFR § 1.53(b)) and design filings only);
	is about to be filed in the United States Patent Office as a Provisional Application;
	the specification of which is United States Application No. [ ], filed [ ];
$\boxtimes$	the specification of which is a Patent Cooperation Treaty Application, International Application No. PCT/US2010/001348, filed May 7, 2010, which designates the United States of America;
	which was patented under United States Patent No. [ ].

WHEREAS, Tetraphase Pharmaceuticals, Inc. (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the State of Delaware, and having a usual place of business at 480 Arsenal Street, Suite 110, Watertown, Massachusetts 02472 desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue on said invention; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein; we hereby expressly authorize the filing of an International Patent Application under the Patent Cooperation Treaty which corresponds to and claims the priority of the above-identified application;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of any future applications including substitution, reissue, divisional or continuation applications, and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request each Patent Office and the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said invention to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the

date set forth below. Inventor's Signature: Roger B. Clark State/Commonwealth of Massachusetts County of <u>Middlesex</u> On this \_\_\_\_\_\_ day of \_\_\_\_\_\_ february \_\_\_\_\_\_ 2011, before me, the undersigned notary public, personally appeared Roger B. Clark, X personally known to me, or proved to me through satisfactory evidence of identification, which was to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed. SHANA DOBSON (SEAL Notary Public Notary Public COMMONWEALTH OF MASSACHUSETTS My Commission Expires Shana Dobson (print name) A: c1 1 2016 My Commission expires 04 /01 /2016

Inventor's Signature:
Minsheng He
State/Commonwealth ofMassachoseHs County ofMiddlesex
On this day of february 2011, before me, the undersigned notary public, personally appeared Minsheng He,
personally known to me, or
proved to me through satisfactory evidence of identification, which was
to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.  SHANA DOBSON  Notary Public  COMMONWEALTH OF MASSACHUSETTS  My Commission Expires  April 1, 2016  Shana Dobson (print name)
My Commission expires 04 / 01 / 201 6
Inventor's Signature:
State/Commonwealth of
On this day of 2011, before me, the undersigned notary public, personally appeared Louis Plamondon,
personally known to me, or
proved to me through satisfactory evidence of identification, which was
to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.
(SEAL) Notary Public
SHANA DOBSON  Notary Public  COMMONWEALTH OF MASSACHUSETTS  My Commission Expires  April 1, 2016  Shana Dobson (print name)  My Commission expires 04 / 01 / 2016

Inventor's Signature:
State/Commonwealth ofMassachuse hs County ofMiddlesex
On this day of day of 2011, before me, the undersigned notary public, personally appeared Xiao-Yi Xiao,
personally known to me, or
proved to me through satisfactory evidence of identification, which was
to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.
SHANA DOBSON Notary Public Shana Dobson (print name) My Commission Expires April 1, 2016  My Commission expires 04 / 01 / 2016
Inventor's Signature:  Magnus Rönn  State/Commonwealth  of Massachusetts  County of Middlesex
On this 28th day of February 2011, before me, the undersigned notary public, personally appeared Magnus Rönn,
personally known to me, or
proved to me through satisfactory evidence of identification, which was
to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.
(SEAL) Notary Public
SHANA DOBSON Notary Public COMMONWEALTH OF MASSACHUSETTS My Commission Expires April 1 2016  Shana Dobson (print name) My Commission expires 04 / 01 / 2016

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