

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4254612

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DARYL C. DRUMMOND	08/31/2015
DMITRI B. KIRPOTIN	09/17/2015
THOMAS WICKHAM	09/01/2015
BART S. HENDRIKS	08/28/2015
SAMUEL AGRESTA	09/01/2015
HELEN LEE	08/28/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MERRIMACK PHARMACEUTICALS, INC.
<b>Street Address:</b>	ONE KENDALL SQUARE
<b>Internal Address:</b>	SUITE B7201
<b>City:</b>	CAMBRIDGE
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	02139
<b>PROPERTY NUMBERS Total: 4</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	61625670
<b>Application Number:</b>	61696560
<b>Application Number:</b>	61798855
<b>PCT Number:</b>	US1337033
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	(269) 337-7852
<b>Email:</b>	patents@honigman.com
<b>Correspondent Name:</b>	CHRISTOPHER C. FORBES, PH.D.
<b>Address Line 1:</b>	350 E. MICHIGAN AVE.
<b>Address Line 2:</b>	SUITE 300
<b>Address Line 4:</b>	KALAMAZOO, MICHIGAN 49007
<b>ATTORNEY DOCKET NUMBER:</b>	1001054WO, 00, 00P2, 00P3

PATENT

<b>NAME OF SUBMITTER:</b>	CHRISTOPHER C. FORBES, PH.D.
<b>SIGNATURE:</b>	/s. Christopher C. Forbes, Ph.D./
<b>DATE SIGNED:</b>	02/01/2017
<b>Total Attachments: 8</b> source=100 1054 Assignment#page1.tif source=100 1054 Assignment#page2.tif source=100 1054 Assignment#page3.tif source=100 1054 Assignment#page4.tif source=100 1054 Assignment#page5.tif source=100 1054 Assignment#page6.tif source=100 1054 Assignment#page7.tif source=100 1054 Assignment#page8.tif	

## ASSIGNMENT

WHEREAS, I/WE, herein called "ASSIGNOR(S)":

1. **Daryl C. DRUMMOND**, of Lincoln, Massachusetts;
2. **Dmitri B. KIRPOTIN**, of Revere, Massachusetts;
3. **Thomas WICKHAM**, of Groton, Massachusetts;
4. **Bart S. HENDRIKS**, of Belmont, Massachusetts;
5. **Samuel AGRESTA**, of Lexington, Massachusetts;
6. **Helen LEE**, of Cambridge, Massachusetts

in connection with the subject matter including the invention(s) entitled:

**"Compositions and Methods for Non-Invasive Imaging"**

for which the following patent application(s):

Application Type	App. Serial No.	Filing Date
US Provisional Patent Application	61/625,670	17-Apr-2012
US Provisional Patent Application	61/696,560	04-Sep-2012
US Provisional Patent Application	61/798,855	15-Mar-2013
International Patent Application	PCT/US2013/037033	17-Apr-2013

was/were submitted or filed (collectively, the "LISTED APPLICATIONS");

AND, WHEREAS, **Merrimack Pharmaceuticals, Inc.**, a corporation of the State of Delaware, having a place of business at One Kendall Square, Suite B7201, Cambridge, Massachusetts, 02139, hereinafter the "Assignee," is desirous of securing the entire right, title, and interest in and to said Application and the inventions and improvements therein disclosed.

NOW, THEREFORE, in consideration of my contractual and other legal obligations, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, a said ASSIGNOR, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, my entire right, title and interest in, to and under the invention(s) and discoveries disclosed in the LISTED APPLICATION(S), and the LISTED APPLICATION(S) and any and all subsequent filings claiming the benefit of and/or priority to said LISTED APPLICATIONS, including without limitation all divisions, renewals, continuations and subsequent applications thereof, and all Patents of the United States which may be granted thereon and all reissues, reexaminations, supplemental examinations, and extensions (e.g., including without exception, patent term extension, supplemental protection certificate, and the like) thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention(s) and discoveries in any country or countries foreign to the United

States; together with the right to file such applications and the right to claim for the same the benefit of priority of said inventions, discoveries, and patent applications listed herein, including the LISTED APPLICATION(S) and applications thereof and therefrom under The International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application and applications thereof and therefrom is/are filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention(s) in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and any and all claims, causes of action, and damages for past, present, and future infringement or other unauthorized use of the above items, along with the right to sue for and to collect damages and other relief;

AND I HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any official of any country or countries foreign to the United States whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument;

AND I HEREBY covenant and agree that I have full right to convey the entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith;

AND I HEREBY authorize the above-mentioned ASSIGNEE or its legal representative to insert in this instrument the filing date and serial number of said application(s) or any other information that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document;

AND I HEREBY further covenant and agree that I will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to me respecting said invention(s) and discoveries, and testify in any legal proceeding, sign all lawful papers, execute all continuing and subsequent applications, including divisional, reissue and foreign applications, make all rightful oaths, and generally cooperate and do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain, maintain, and enforce proper protection for said invention(s) and discoveries in any and all countries;

AND I HEREBY further agree that this Assignment does not create any agency, employment, or partnership relationship between the parties;

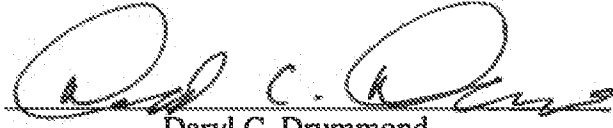
AND I HEREBY further agree that this Assignment shall not be construed against any party on the ground that such party was responsible for the preparation of this Assignment, or on any related ground;

AND I HEREBY further agree that should any provision of this Assignment be determined to be void, unenforceable, or against public policy, such provision may be altered in time or scope in order to give effect to such provision. If such alternation is not possible, such

provision shall be deemed severed from this Assignment and the balance of this Assignment shall remain in full force and effect, so long as the original intent of this Assignment remains substantially intact.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal (if applicable) the day and year set opposite my signature.

**ASSIGNOR 1:**

  
Daryl C. Drummond

Date:

8/31/15

United States of America )

State of

Massachusetts

) ss.:

County of

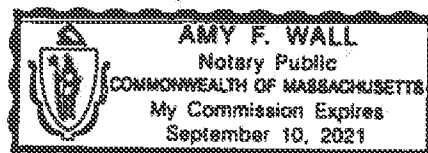
Middlesex

On this 31<sup>st</sup> day of August, 2015 before me,  
the undersigned notary public, personally appeared Daryl C. Drummond  
(name of document signer), proved to me through satisfactory evidence of identification,  
which was personal knowledge, to be the person whose name  
is signed on the preceding or attached document in my presence.

My commission expires

September 10, 2021

(official signature and seal of notary)



**ASSIGNOR 2:**

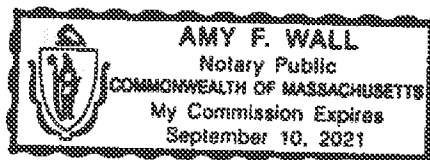
*Dmitri B. Kirpotin*  
Dmitri B. Kirpotin

Date: 9/17/2015

United States of America )  
State of Massachusetts ss.:  
County of Middlesex )

On this 17<sup>th</sup> day of September, 2015 before me,  
the undersigned notary public, personally appeared Dmitri B. Kirpotin  
(name of document signer), proved to me through satisfactory evidence of identification,  
which was personal knowledge, to be the person whose name  
is signed on the preceding or attached document in my presence.

*Amy F. Wall* (official signature and seal of notary)  
My commission expires September 10, 2021



**ASSIGNOR 3:**

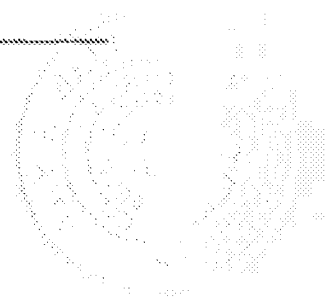
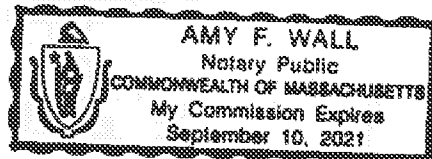
Thomas Wickham  
Thomas Wickham

Date: 9/11/15

United States of America )  
State of Massachusetts ) ss.:  
County of Middlesex )

On this 1<sup>st</sup> day of September, 2015 before me,  
the undersigned notary public, personally appeared Thomas Wickham  
(name of document signer), proved to me through satisfactory evidence of identification,  
which was personal knowledge, to be the person whose name  
is signed on the preceding or attached document in my presence.

Amy F. Wall (official signature and seal of notary)  
My commission expires September 10, 2021



**ASSIGNOR 4:**

  
Bart S. Hendriks

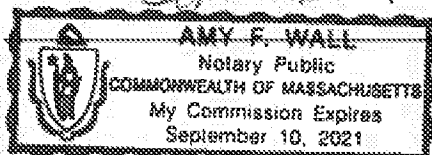
Date: 28-Aug-2015

United States of America )  
State of Massachusetts ) ss.:  
County of Middlesex )

On this 28<sup>th</sup> day of August, 2015 before me,  
the undersigned notary public, personally appeared Bart S. Hendriks  
(name of document signer), proved to me through satisfactory evidence of identification,  
which was personal knowledge, to be the person whose name  
is signed on the preceding or attached document in my presence.

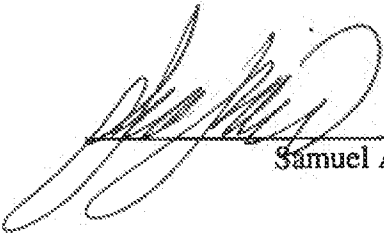
Amy F. Wall (official signature and seal of notary)  
September 10, 2021

My commission expires





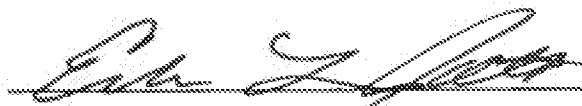
**ASSIGNOR 5:**

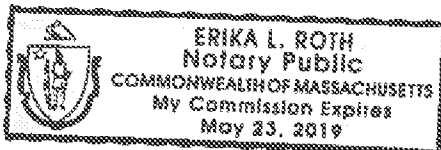
  
\_\_\_\_\_  
Samuel Agresta

Date: September 1, 2015

United States of America )  
State of Massachusetts ) ss.:  
County of Middlesex )

On this 1<sup>st</sup> day of September, 2015 before me,  
the undersigned notary public, personally appeared Samuel Agresta  
(name of document signer), proved to me through satisfactory evidence of identification,  
which was Driver's License, to be the person whose name  
is signed on the preceding or attached document in my presence.

 (official signature and seal of notary)  
My commission expires May 23, 2019



**ASSIGNOR 6:**

  
\_\_\_\_\_  
Helen Lee

Date: Aug 28th, 2015

United States of America )  
State of Massachusetts ) ss.:  
County of Middlesex )

On this 28th day of August, 2015 before me,  
the undersigned notary public, personally appeared Helen Lee  
(name of document signer), proved to me through satisfactory evidence of identification,  
which was Personal Knowledge, to be the person whose name  
is signed on the preceding or attached document in my presence.

Amy F. Wall (official signature and seal of notary)  
My commission expires September 10, 2021

