

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT5306306

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
CHRISTOPHER J. BURNS	07/09/2015
DENIS DAIGLE	07/09/2015
BIN LIU	07/09/2015
DANIEL MCGARRY	07/09/2015
DANIEL C. PEVEAR	07/09/2015
ROBERT E. LEE TROUT	07/09/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	VENATORX PHARMACEUTICALS, INC.
<b>Street Address:</b>	30 SPRING MILL DRIVE
<b>City:</b>	MALVERN
<b>State/Country:</b>	PENNSYLVANIA
<b>Postal Code:</b>	19355
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16238363
<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>Email:</b>	patentdocket@wsgr.com, lkim@wsgr.com
<b>Correspondent Name:</b>	WILSON SONSINI GOODRICH & ROSATI
<b>Address Line 1:</b>	650 PAGE MILL ROAD
<b>Address Line 4:</b>	PALO ALTO, CALIFORNIA 94304
<b>ATTORNEY DOCKET NUMBER:</b>	41223-703.303
<b>NAME OF SUBMITTER:</b>	LORA KIM
<b>SIGNATURE:</b>	/Lora Kim/
<b>DATE SIGNED:</b>	01/02/2019
<b>Total Attachments: 4</b>	
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## PATENT ASSIGNMENT

Docket Number 41223-703.831

WHEREAS, the undersigned:

- |  |  |   |   |
|--|--|---|---|
| 1. BURNS, Christopher J.<br>1806 Hawkweed Way<br>Malvern, PA 19355 | 2. DAIGLE, Denis<br>1805 Marcher Court<br>Street, MD 21154                         | 3. LIU, Bin<br>1506 Dahlia Circle<br>Dayton, NJ 08810 | 4. McGARRY, Daniel<br>25 Ashree Lane<br>Malvern, PA 19355 |
| 5. PEVEAR, Daniel C.<br>7 McIlvain Drive<br>Downingtown, PA 19335  | 6. TROUT, Robert E. Lee<br>222 E. 9 <sup>th</sup> Avenue<br>Collegeville, PA 19426 |   |   |

(hereinafter "Inventor(s)"), have invented certain new and useful improvements in

## BETA-LACTAMASE INHIBITORS

for which application serial number 14/649,527, a U.S. National Phase of PCT/US13/73428 filed on December 5, 2013 in the U.S. Receiving Office of the Patent Cooperation Treaty, was filed in the United States Patent and Trademark Office on June 3, 2015.

(hereinafter, "Application(s)"). The term "Application(s)" also includes all patent applications that share or claim priority to or from the above application(s).

WHEREAS, Venatorx Pharmaceuticals, Inc., a corporation of the State of Delaware, having a place of business at 30 Spring Mill Drive, Malvern, PA 19355, (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said Application(s), and the inventions disclosed therein, and in and to all embodiments of the inventions, heretofore conceived, made or discovered, whether jointly or severally, by said Inventor(s) (hereinafter collectively referred to as "Inventions"), and in and to any and all patents, inventor's certificates and other forms of protection thereon granted in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty, including those filed under the Paris Convention for the Protection of Industrial Property, The Patent Cooperation Treaty or otherwise (hereinafter "Patent(s)").

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventor(s) to have been received in full from said Assignee:

1. Said Inventor(s) do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said Inventions; (b) in and to said Applications, including the right to claim priority to and from said Application(s); (c) in and to each and every application that is a divisional, substitution, continuation, or continuation-in-part of any of said Application(s); (d) in and to said Patent(s) and each and every patent issuing or reissuing from any of the foregoing; (e) in and to each and every reissue, reexamination, renewal or extension of any kind of any of the foregoing; (f) in and to each and every patent and application filed outside the United States and corresponding to any of the foregoing; and (g) in and to all claims for past, present and future infringement of the Patent(s), including all rights to sue for and to receive and recover for Assignee's own use all past, present, and future lost profits, royalties, and damages of whatever nature recoverable from an infringement of the Patent(s).

2. Said Inventor(s) hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty. Such cooperation by said Inventor(s) shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any applications covering said Inventions; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said Inventions; (d) for filing and prosecuting applications for reissuance of any said Patent(s); (e) for interference or other priority proceedings involving said Inventions; and (f) for legal proceedings involving said Inventions and any applications therefor and any Patent(s) granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that reasonable expenses incurred by said Inventor(s) in providing such cooperation shall be paid for by said Assignee.

3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventor(s), their respective heirs, legal representatives and assigns.

4. Said Inventor(s) hereby warrant, represent and covenant that said Inventor(s) have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

5. Said Inventor(s) hereby request that any Patent(s) issuing in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty, be issued in the name of the Assignee, or its successors and assigns, for the sole use of said Assignee, its successors, legal representatives and assigns.

6. This instrument will be interpreted and construed in accordance with the laws of the State of California, without regard to conflict of law principles. If any provision of this instrument is found to be illegal or unenforceable, the other provisions shall remain effective and enforceable to the greatest extent permitted by law. This instrument may be executed in counterparts, each of which is deemed an original, but all of which together constitute one and the same agreement.

PATENT ASSIGNMENT

Docket Number 41223-703.831

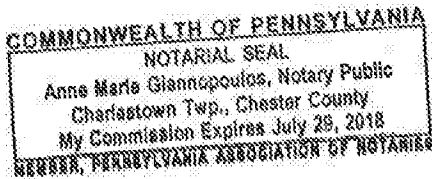
IN WITNESS WHEREOF, said inventor(s) have executed and delivered this instrument to said Assignee as of the dates written below:

Date: 3/9/15  
Christopher J. BURNS

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 Pennsylvania  
County of Chester  
On 7/9/15 before me, Anne Marie Giannopoulos  
Date Here Insert Name and Title of the Officer  
personally appeared Christopher J. BURNS  
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.



Place Notary Seal Above

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

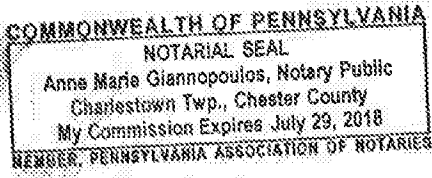
WITNESS my hand and official seal.  
Signature Anne Marie Giannopoulos  
Signature of Notary Public

Date: 07-09-2015  
Denis DAIGLE

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 Pennsylvania  
County of Chester  
On 7/9/15 before me, Anne Marie Giannopoulos  
Date Here Insert Name and Title of the Officer  
personally appeared Denis DAIGLE  
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.



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WITNESS my hand and official seal.  
Signature Anne Marie Giannopoulos  
Signature of Notary Public

PATENT ASSIGNMENT

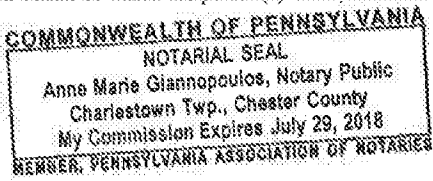
Docket Number 41223-703.831

Date: 7/9/15 LSR  
Bin LIU

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 Pennsylvania  
County of Chester  
On 7/9/15 before me, Anne Marie Giannopoulos  
Date Here Insert Name and Title of the Officer  
personally appeared Bin LIU  
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 Anne Marie Giannopoulos  
Signature of Notary Public

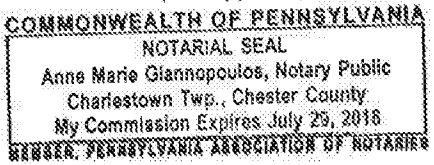
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Date: 7/9/15 Daniel McGARRY

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 Pennsylvania  
County of Chester  
On 7/9/15 before me, Anne Marie Giannopoulos  
Date Here Insert Name and Title of the Officer  
personally appeared Daniel McGARRY  
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 Anne Marie Giannopoulos  
Signature of Notary Public

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PATENT ASSIGNMENT

Docket Number 41223-703.831

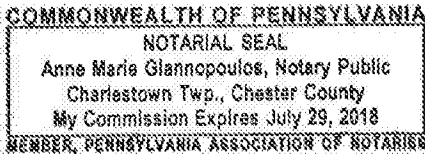
Date: 7/9/15

*[Signature]*  
Daniel C. PEVEAR

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State of Pennsylvania  
County of Chester  
On 7/9/15 before me, Anne Marie Giannopoulos  
Date Here Insert Name and Title of the Officer  
personally appeared Daniel C. PEVEAR  
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.



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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 *[Signature]*  
Signature of Notary Public

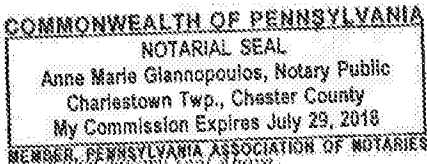
Date: 7/9/15

*[Signature]*  
Robert E. Lee TROUT

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State of Pennsylvania  
County of Chester  
On 7/9/15 before me, Anne Marie Giannopoulos  
Date Here Insert Name and Title of the Officer  
personally appeared Robert E. Lee TROUT  
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.



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WITNESS my hand and official seal  
Signature *[Signature]*  
Signature of Notary Public

RECEIVED AND AGREED TO BY ASSIGNEE:

Date: 7/9/15

By: *[Signature]*

Name: Christopher J. Burns, Ph.D.  
Title: President and Chief Scientific Officer