

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4299919

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DAVID J. LOURY	04/26/2010
JOSEPH J. BUGGY	04/26/2010
TARAK D. MODY	04/26/2010
ERIK J. VERNER	04/26/2010
NORBERT PURRO	04/26/2010
SRIRAM BALASUBRAMANIAN	04/26/2010
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	PHARMACYCLICS, INC.
<b>Street Address:</b>	995 EAST ARQUES AVENUE
<b>City:</b>	SUNNYVALE
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94085
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15386834
<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>	jferrigno@foleyhoag.com
<b>Correspondent Name:</b>	FOLEY HOAG LLP
<b>Address Line 1:</b>	155 SEAPORT BOULEVARD
<b>Address Line 4:</b>	BOSTON, MASSACHUSETTS 02210
<b>ATTORNEY DOCKET NUMBER:</b>	PIR-77504
<b>NAME OF SUBMITTER:</b>	LUCAS WATKINS
<b>SIGNATURE:</b>	/Lucas Watkins/
<b>DATE SIGNED:</b>	03/02/2017
<b>Total Attachments: 3</b>	
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## PATENT ASSIGNMENT

Docket Number 25922-775.201

WHEREAS, the undersigned:

- |                                                                 |                                                                             |                                                                    |                                                                   |
|-----------------------------------------------------------------|-----------------------------------------------------------------------------|--------------------------------------------------------------------|-------------------------------------------------------------------|
| 1. LOURY, David J.<br>7130 Galli Drive<br>San Jose, CA 95129    | 2. BUGGY, Joseph J.<br>858 Cuesta Drive<br>Mountain View, CA 94040          | 3. MODY, Tarak D.<br>955 La Mesa Terrace #E<br>Sunnyvale, CA 94086 | 4. VERNER, Eric J.<br>1521 Notre Dame Avenue<br>Belmont, CA 94002 |
| 5. PURRO, Norbert<br>15460 Corinne Drive<br>Los Gatos, CA 95032 | 6. BALASUBRAMANIAN,<br>Sriram<br>1623 Howard Avenue<br>San Carlos, CA 94070 |                                                                    |                                                                   |

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

**FORMULATIONS OF HISTONE DEACETYLASE INHIBITOR AND USES THEREOF**

- ☐ for which a United States patent application is executed on even date herewith;  
☒ for which Application No. 12/761,588 was filed on April 16, 2010 in the United States Patent Office;  
☐ for which Application No.      was filed on      in the U.S. Receiving Office of the Patent Cooperation Treaty;  
☐ for which Application No.      was filed on      in the      Patent Office; and/or  
☐ for which an application was filed upon which a United States Patent issued on     , as U.S. Patent No.     .

(hereinafter "Application(s)").

WHEREAS, Pharmacyclics, Inc., a corporation of the State of Delaware, having a place of business at 995 East Arques Avenue, Sunnyvale, CA 94085, (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 (hereinafter "Patent(s)") thereon granted in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty.

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, including the right to claim priority to said Inventions; (b) in and to all rights to all United States and corresponding non-United States patent applications and Patent(s), including those filed under the Paris Convention for the Protection of Industrial Property, The Patent Cooperation Treaty or otherwise; (c) in and to any and all applications filed and any and all Patent(s) granted on said Inventions in the United States, in any foreign country, or under any international convention, agreement, protocol, or treaty, including each and every application filed and any and all Patent(s) granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said Application(s); and (d) in and to each and every reissue, reexamination, or extensions of any of said 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 the expense 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 and represent that they 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.

## PATENT ASSIGNMENT

Docket Number 25922-775.201

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

Date: 26 Apr 2010  
David J. LOURYState/Commonwealth of \_\_\_\_\_ )  
County of \_\_\_\_\_ )

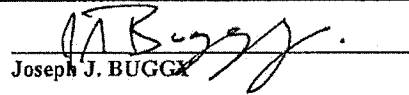
On \_\_\_\_\_ before me, \_\_\_\_\_ (Name/Title of Notary) personally appeared David J. LOURY (Name of Signer) who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that s/he executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State/Commonwealth of \_\_\_\_\_ that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature: \_\_\_\_\_

(Notary Seal)

Date: 4-26-10  
Joseph J. BUGGYState/Commonwealth of \_\_\_\_\_ )  
County of \_\_\_\_\_ )

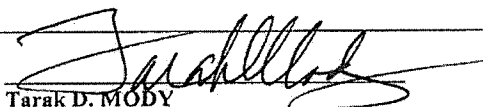
On \_\_\_\_\_ before me, \_\_\_\_\_ (Name/Title of Notary) personally appeared Joseph J. BUGGY (Name of Signer) who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that s/he executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State/Commonwealth of \_\_\_\_\_ that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature: \_\_\_\_\_

(Notary Seal)

Date: 4/26/10  
Tarak D. MODYState/Commonwealth of \_\_\_\_\_ )  
County of \_\_\_\_\_ )

On \_\_\_\_\_ before me, \_\_\_\_\_ (Name/Title of Notary) personally appeared Tarak D. MODY (Name of Signer) who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that s/he executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State/Commonwealth of \_\_\_\_\_ that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature: \_\_\_\_\_

(Notary Seal)

Date: Apr 26, 2010

Erik J. Verner  
Erik J. VERNER

State/Commonwealth of \_\_\_\_\_ )  
County of \_\_\_\_\_ )

On \_\_\_\_\_ before me, \_\_\_\_\_ (Name/Title of Notary) personally appeared Erik J. VERNER (Name of Signer) who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that s/he executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State/Commonwealth of \_\_\_\_\_ that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

(Notary Seal)

Signature: \_\_\_\_\_

Date: 4/26/2010

Norbert Purro  
Norbert PURRO

State/Commonwealth of \_\_\_\_\_ )  
County of \_\_\_\_\_ )

On \_\_\_\_\_ before me, \_\_\_\_\_ (Name/Title of Notary) personally appeared Norbert PURRO (Name of Signer) who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that s/he executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State/Commonwealth of \_\_\_\_\_ that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

(Notary Seal)

Signature: \_\_\_\_\_

Date: 4/26/2010

Sriram Balasubramanian  
Sriram BALASUBRAMANIAN

State/Commonwealth of \_\_\_\_\_ )  
County of \_\_\_\_\_ )

On \_\_\_\_\_ before me, \_\_\_\_\_ (Name/Title of Notary) personally appeared Sriram BALASUBRAMANIAN (Name of Signer) who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that s/he executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State/Commonwealth of \_\_\_\_\_ that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

(Notary Seal)

Signature: \_\_\_\_\_

RECEIVED AND AGREED TO BY ASSIGNEE: Pharmacyclics, Inc.

Date: 26 Apr 2010

By: David J. Loury

Name: David J. Loury, Ph.D.

Title: Chief Scientific Officer