502725190 03/17/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2771795

SUBMISSION TYPE:		NEW ASSIGNMENT			
ATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT		
CONVEYING PARTY DA	TA				
		Name		Execution Date	
ZHE NIE				03/11/2014	
JEFFREY ALAN STAFFO)RD			03/11/2014	
JAMES MARVIN VEAL				03/11/2014	
TOUFIKE KANOUNI				03/11/2014	
RECEIVING PARTY DAT	 Г А				
Name:	QUANTI	QUANTICEL PHARMACEUTICALS, INC.			
Street Address:	9393 TOWNE CENTRE DRIVE				
Internal Address:	SUITE 110				
City:	SAN DIE	GO			
State/Country:	CALIFOF	NIA			
Postal Code:	92121				
PROPERTY NUMBERS	Fotal: 1	Number	7		
Application Number:	14	4210006			
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CORRESPONDENCE DA	1 A I A				
		58)350-2399			
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PATENT ASSIGNMENT

Docket Number 38711-807.101

WHEREAS, the undersigned:

1. NIE, Zhe 17104 Monterey Ridge Way San Diego, CA 92127

2. STAFFORD, Jeffrey Alan 3. VEAL, James Marvin 12752 Sandy Crest Ct. San Diego, CA 92130

8916 Weaver Crossing Road Apex, NC 27502

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

HISTONE DEMETHYLASE INHIBITORS

for which a United States patent application is executed on even date herewith;

for which Application No. 61/783,563 was filed on March 14, 2013 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, Quanticel Pharmaceuticals, Inc., a corporation of the State of Delaware, having a place of business at 9393 Towne Centre Drive, Suite 110, San Diego, CA 92121, (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 and said Applications, including the right to claim priority to said Inventions and said Applications; (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).

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.

Said Inventor(s) hereby request that any Patent(s) issuing in the United States, foreign countries, or under any 5. 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,

38711-807.101 Assignment

Page 1 of 2

PATENT ASSIGNMENT	Docket Number 38711-807.101
each of which is deemed an original, but all of which together constitute one and the same	agreement.
IN WITNESS WHEREOF, said Inventor(s) have executed and delivered this inst written below: Date: $x = \frac{3/11/20144}{Zhe NIE}$ The NIE	
Date: x x James Marvin VEAL	
RECEIVED AND AGREED TO BY ASSIGNEE: Date: x 3/11/2014 By: x 11/2014 By: x 11/2014 Jeffrey Alan STAFFORD Chief Scientific Officer	

Page 2 of 2

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WHEREAS, the undersigned:

1. NIE, Zhe 17104 Monterey Ridge Way San Diego, CA 92127

2. STAFFORD, Jeffrey Alan 3. VEAL, James Marvin 12752 Sandy Crest Ct. San Diego, CA 92130

8916 Weaver Crossing Road Apex, NC 27502

Docket Number 38711-807.101

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

HISTONE DEMETHYLASE INHIBITORS

] for which a United States patent application is executed on even date herewith;

for which Application No. 61/783,563 was filed on March 14, 2013 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, Quanticel Pharmaceuticals, Inc., a corporation of the State of Delaware, having a place of business at 9393 Towne Centre Drive, Suite 110, San Diego, CA 92121, (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 and said Applications, including the right to claim priority to said Inventions and said Applications; (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.

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

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.

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.

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,

38711-807.101 Assignment .doc

PATENT ASSIGNMENT	Docket Number 38711-807.101			
each of which is deemed an original, but all of which together constitute one and the same agreement.				
IN WITNESS WHEREOF, said Inventor(s) have execu written below:	ted and delivered this in:	strument to said Assignee as of the dates		
Date: x x Zhe NIE	Date: x	x Jeffrey Alan STAFFORD		
Date: x_3 11 2014 x James Maruin VEAL				
RECEIVED AND AGREED TO BY ASSIGNEE: Date: $x = \frac{3}{2014}$				
By: x MATAFFORD Jeffrey Alah STAFFORD Chief Scientific Officer				

38711-807.101 Assignment.doc

Page 2 of 2

WHEREAS, the undersigned:

KANOUNI, Toufike 9253 Regents Road, Unit A103 La Jolla, CA 92037 USA

(hereinafter "Inventor(s))," has/have contributed to the invention of certain new and useful improvements in:

HISTONE DEMETHYLASE INHIBITORS

for which an application will be filed on or before March 14, 2014 in the U.S. Receiving Office of the Patent Cooperation Treaty (hereinafter "Application"), the subject matter of which the Inventor(s) has/have reviewed and understood.

WHEREAS, <u>Quanticel Pharmaceuticals, Inc.</u>, a corporation of the State of <u>Delaware</u>, having a place of business at <u>9393 Towne Centre</u> <u>Drive, Suite 110, San Diego, CA 92121</u>, (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said Application 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 and Applications, including the right to claim priority to said Inventions and said Applications; (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, or continuation-in-part of any of said Application; 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; 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.

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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.

Page 1 of 1

PATENT ASSIGNMENT	Docket Number 38711-807.101
IN WITNESS WHEREOF, said Inventor(s) have executed and delivered this instrument to said Date: x_03[1]]20[4x	Assignee as of the dates written below:
RECEIVED AND AGREED TO BY ASSIGNEE: Date: x 3/11/2014 By: x 400 STAFFORD Jeffrey Alen STAFFORD Chief Scientific Officer	

Page 2 of 2