

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
KARL D. NORMINGTON	12/26/2016
DAVID A. SINCLAIR	01/05/2017
DAVID J. LIVINGSTON	12/12/2016
JAMES M. MCKEARIN	12/12/2016
BRUCE SZCZPANKIEWICZ	12/12/2016
JONATHAN N. KREMSKY	12/12/2016
RECEIVING PARTY DATA	
Name:	METROBIOTECH, LLC
Street Address:	540 HAWTHORNE STREET
City:	BIRMINGHAM
State/Country:	MICHIGAN
Postal Code:	48009
PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	15463683
Application Number:	15512388
CORRESPONDENCE DATA	
Fax Number:	(617)832-7000
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ATTORNEY DOCKET NUMBER:	MBS-00301, MBS-00302
NAME OF SUBMITTER:	GRETCHEN S. PETERSON
SIGNATURE:	/Gretchen S. Peterson/
DATE SIGNED:	05/24/2017

Total Attachments: 12

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ASSIGNMENT

WHEREAS we, David J. Livingston, James M. McKearin, Bruce Szczepankiewicz, Jonathan N. Kremsky, David A. Sinclair, and Karl D. Normington, have invented one or more inventions described in the following application for Letters Patent:

International Patent Application Serial No. PCT/US16/045855, which was filed on August 5, 2016, entitled NICOTINAMIDE MONONUCLEOTIDE DERIVATIVES AND THEIR USES; and

WHEREAS METROBIOTECH, LLC, (hereinafter "ASSIGNEE"), limited liability companies organized and existing under the laws of the State of Delaware, having principal offices at 540 Hawthorne Street, Birmingham, MI 48009 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, our entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention(s) as described in said applications, together with our entire right, title and interest in and to said applications and such Letters Patent as may issue thereon, and any substitution, reissue, continuation, divisional, revival and foreign counterparts thereof and including the right to claim priority under any applicable statute, treaty or convention based on said applications; said invention(s), applications 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 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, all choses in action pertaining to the applications or Letters Patent including the right to sue for and collect damages and other recoveries for past infringement thereof, all rights to initiate proceedings before government and administrative bodies, and all files, records and other materials arising from the prosecution, exploitation, or defense of rights and registrations pertaining to the applications or Letters Patent. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said invention(s), carries with it the right in ASSIGNEES to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEES' selection and the right to procure the grant of all such Letters Patent to ASSIGNEES for its own name as assignee of the entire right, title and interest therein;

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(s) 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 substitution, reissue, divisional, continuation or revival applications and

preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention(s) or any application or patent directed thereto may be involved;

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

Inventor: David J. Livingston Date: Dec. 12, 2016
David J. Livingston

Address: 52 Jennys Lane
Barrington, RI 02806

Witness: Kyle Maetze Date: Dec. 12, 2016
Print Name: Kyle Maetze

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Inventor: James M. McKearin Date: Dec 12, 2016
James M. McKearin

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Witness: Bruce Szczepankiewicz Date: 12/12/2016
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Witness: James M. McKerrin Date: Dec 12, 2016

Print Name: James M. McKerrin

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Inventor: Jonathan N. Kremsky Date: 12/12/16
Jonathan N. Kremsky

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Witness: Bruce Szczepankiewicz Date: 12/12/2016

Print Name: Bruce Szczepankiewicz

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Inventor: _____ Date: _____
David A. Sinclair

Address: 43 Newbrook Circle
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Witness: _____ Date: _____

Print Name: _____

Address: _____

Inventor: _____ Date: _____
Karl D. Normington

Address: 163 Pleasant Street
Arlington, MA 02476

Witness: _____ Date: _____

Print Name: _____

Address: _____

ACKNOWLEDGEMENT OF ASSIGNEE:

I hereby acknowledge the foregoing executed Assignment on behalf of MetroBiotech, LLC,

By: Eric M. Little Hale Date: 12/13/2016

Name: Eric M. Little Hale

Title: Innovation Manager

ASSIGNMENT

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David J. Livingston

Address: 52 Jennys Lane
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Witness: _____ Date: _____

Print Name: _____

Address: _____

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Witness: _____ Date: _____

Print Name: _____

Address: _____

Inventor: _____ Date: _____

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Print Name: _____

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Print Name: _____

Address: _____

Inventor: _____ Date: _____
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Print Name: _____

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Inventor:  Date: 12/26/2016
Karl D. Normington

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Witness:  Date: 12/27/2016

Print Name: Erik D. Press

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ACKNOWLEDGEMENT OF ASSIGNEE:

I hereby acknowledge the foregoing executed Assignment on behalf of MetroBiotech, LLC,

By:  Date: 12/27/2016

Name: Eric M. Livak Hale

Title: Innovation Manager

ASSIGNMENT

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Inventor: _____ Date: _____
David J. Livingston

Address: **52 Jennys Lane
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Witness: _____ Date: _____

Print Name: _____

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Witness: _____ Date: _____

Print Name: _____

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Inventor: _____ Date: _____
Jonathan N. Kremsky

Address: **61 Piedmont Street
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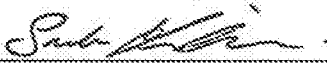
Witness: _____ Date: _____

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Inventor:  Date: 1/5/17
David A. Sinclair

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Print Name: Sandra Luikenhuis

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Inventor: _____ Date: _____
Karl D. Normington

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Arlington, MA 02476

Witness: _____ Date: _____

Print Name: _____

Address: _____

ACKNOWLEDGEMENT OF ASSIGNEE:

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By:  Date: 1/5/2016

Name: Eric M. Livak Hale

Title: Innovation Manager