

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Livia A. Casciola-Rosen	04/29/2011
Lisa Christopher-Stine	04/29/2011
Andrew Mammen	04/29/2011
Antony Rosen	04/29/2011
RECEIVING PARTY DATA	
Name:	The Johns Hopkins University
Street Address:	3400 N. Charles Street
City:	Baltimore
State/Country:	MARYLAND
Postal Code:	21218
PROPERTY NUMBERS Total: 1	
Property Type	Number
PCT Number:	US1132710
CORRESPONDENCE DATA	
Fax Number:	(617)227-4420
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	6175175580
Email:	patent@eapdlaw.com
Correspondent Name:	Melissa Hunter-Ensor, Ph.D., Esq.
Address Line 1:	111 Huntington Avenue
Address Line 4:	Boston, MASSACHUSETTS 02199
ATTORNEY DOCKET NUMBER:	88214WO(71699)
NAME OF SUBMITTER:	Melissa Hunter-Ensor, Ph.D., Esq.

CH \$40.00 US1132710

Total Attachments: 7
 source=88214WO(71699) Assignment#page1.tif

501521590

PATENT
REEL: 026229 FRAME: 0839

source=88214WO(71699) Assignment#page2.tif
source=88214WO(71699) Assignment#page3.tif
source=88214WO(71699) Assignment#page4.tif
source=88214WO(71699) Assignment#page5.tif
source=88214WO(71699) Assignment#page6.tif
source=88214WO(71699) Assignment#page7.tif

ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made this 29th day of April, 2011,
by Livia A. Casciola-Rosen; Lisa Christopher-Stine; Andrew Mammen; and Antony
Rosen (hereinafter referred to as Assignors), residing at 3 Stone Hollow Ct., Pikesville,
Maryland 21208, UNITED STATES OF AMERICA; c/o Johns Hopkins Myositis
Center, 5200 Eastern Avenue, Mason F. Lord Buidling, Center Tower, Suite 4500,
Baltimore, Maryland 21224, UNITED STATES OF AMERICA; c/o Johns Hopkins
Myositis Center, 5200 Eastern Avenue, Mason F. Lord Buidling, Center Tower, Suite
4500, Baltimore, Maryland 21224, UNITED STATES OF AMERICA; and 3 Stone
Hollow Court, Pikesville, Maryland 21208, UNITED STATES OF AMERICA,
respectively;

WHEREAS, Assignors have invented certain new and useful improvements
in COMPOSITIONS AND METHODS FOR CHARACTERIZING A MYOPATHY, set
forth in International Patent Application No. PCT/US2011/032710, filed on April 15,
2011, which application claims the benefit of U.S. Provisional Application No.
61/324,857, filed on April 16, 2010 and U.S. Provisional Application No. 61/371,798,
filed on August 9, 2010; and

WHEREAS, The Johns Hopkins University, a University organized under
and pursuant to the laws of Maryland having its principal place of business at 3400 N.
Charles Street, Baltimore, Maryland 21218 (hereinafter referred to as Assignee), is
desirous of acquiring the entire right, title and interest in and to said inventions and
said Application for Letters Patent of the United States, and in and to any Letters
Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in good and sufficient consideration, the receipt of
which is hereby acknowledged, Assignors have sold, assigned, transferred and set
over, and by these presents do sell, assign, transfer and set over, unto Assignee, its
successors, legal representatives and assigns, the entire right, title and interest in and
to the above-mentioned inventions and application for Letters Patent, and in and to
any and all direct and indirect divisions, continuations and continuations-in-part of said

application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefor and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which 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:

EDWARDS ANGELL PALMER & DODGE LLP

All practitioners at Customer Number 49383

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Livia Casciola-Rosen

Livia A. Casciola-Rosen

Date: 04/29/2011

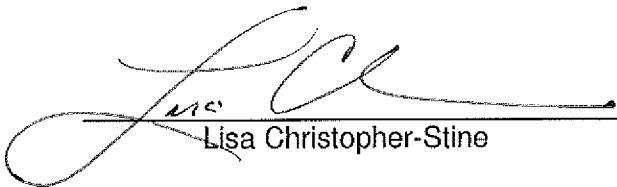
United States of America)
State of Maryland) ss.:
County of Baltimore)

On this 29th day of April, 2011, before me personally came Livia A. Casciola-Rosen, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Jeannie Amoss

Notary Public

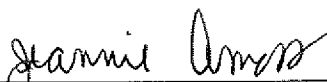
JEANNIE AMOSS
Notary Public-Maryland
Baltimore County
My Commission Expires
December 15, 2013


Lisa Christopher-Stine

Date: April 29, 2011

United States of America)
State of Maryland) ss.:
County of baltimore)

On this 29 day of April, 2011, before me personally came Lisa Christopher-Stine, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.


Notary Public

JEANNIE AMOSS
Notary Public-Maryland
Baltimore County
My Commission Expires
December 15, 2013

Andrew Mammen

Andrew Mammen

Date: April 29, 2011

United States of America)
State of Maryland) ss.:
County of Baltimore)

On this 29th day of April, 2011, before me personally came Andrew Mammen, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Jeannie Amoss

Notary Public

JEANNIE AMOSS
Notary Public-Maryland
Baltimore County
My Commission Expires
December 15, 2013



Antony Rosen

Date: 4-29-11

United States of America)
State of Maryland) ss.:
County of Baltimore)

On this 29th day of April, 2011, before me personally came Antony Rosen, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.


Notary Public

JEANNIE AMOSS
Notary Public-Maryland
Baltimore County
My Commission Expires
December 15, 2013