

## PATENT ASSIGNMENT

Electronic Version v1.1  
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SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Michael B. Sporn</td> <td>06/17/2013</td> </tr> <tr> <td>Karen T. Liby</td> <td>06/17/2013</td> </tr> </tbody> </table>		Name	Execution Date	Michael B. Sporn	06/17/2013	Karen T. Liby	06/17/2013
Name	Execution Date						
Michael B. Sporn	06/17/2013						
Karen T. Liby	06/17/2013						
RECEIVING PARTY DATA							
Name:	Trustees of Dartmouth College						
Street Address:	11 Rope Ferry Rd						
City:	Hanover						
State/Country:	NEW HAMPSHIRE						
Postal Code:	03755						
PROPERTY NUMBERS Total: 1							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>PCT Number:</td> <td>US1339902</td> </tr> </tbody> </table>		Property Type	Number	PCT Number:	US1339902		
Property Type	Number						
PCT Number:	US1339902						
CORRESPONDENCE DATA							
Fax Number:	8568101454						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
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ATTORNEY DOCKET NUMBER:	DC0510WO						
NAME OF SUBMITTER:	Jane Massey Licata						
Signature:	/Jane Massey Licata/						
Date:	06/28/2013						
Total Attachments: 3 source=DC0510WO_asg#page1.tif source=DC0510WO_asg#page2.tif source=DC0510WO_asg#page3.tif							

OP \$40.00 US1339902

A S S I G N M E N T

WHEREAS, we, Michael B. Sporn residing at 9 Sporn Drive, Tunbridge, Vermont 05077, and Karen T. Liby residing at 131 N. Main Street, West Lebanon, New Hampshire 03784, hereinafter referred to as the assignors, are inventors of certain inventions or improvements for which we have made application for Letters Patent in the United States, identified as Serial No. 61/644,080, filed May 8, 2012, entitled Methods for Using Synthetic Triterpenoids to Modulate Stem/Progenitor Cell Gene Expression; and

WHEREAS, Trustees of Dartmouth College, hereinafter referred to as the assignee, of 11 Rope Ferry Road, Hanover, New Hampshire 03755, a corporation of New Hampshire, is desirous of acquiring the entire right, title and interest in and to the said inventions or improvements and in and to the said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in any and all countries:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, the said assignors, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over to said assignee, the entire right, title and interest in and to said inventions or improvements and said application and any and all continuations, divisions and renewals of and substitutes for said application or any other application based in whole or in part thereon and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and any and all other countries, and any reissue or reissues or extension or extensions of said Letters Patent, and assign to and authorize said assignee, to file in our names applications for Letters Patent in all countries, the same to be held and enjoyed by said assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me had this assignment, sale and transfer not been made.

AND we hereby covenant that we have full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement in conflict

herewith, and we further covenant and agree that we will each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said application and said Letters Patent to said assignee, its successors, assigns, nominees or legal representatives, and we agree to communicate to said assignee, or to its nominee all known facts respecting said inventions or improvements, said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful oaths, and generally to do everything possible to aid said assignee, its successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit proper patent protection for said inventions or improvements in any and all countries.

AND we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to said assignee, as assignee of the entire right, title and interest, any and all Letters Patent for said inventions or improvements, including any and all Letters Patents of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

IN WITNESS WHEREOF, we have hereunto set our hands and seals.

Michael B. Sporn (L.S.)  
Michael B. Sporn

New Hampshire :  
COUNTY OF Grafton : Signed and Sealed

On this 17<sup>th</sup> day of June, 2013, before me personally came the above named Michael B. Sporn to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth.



Lisa M. Ford  
Notary Public

Karen T. Liby (L.S.)  
Karen T. Liby

New Hampshire:  
COUNTY OF Grafton : Signed and Sealed

On this 17<sup>th</sup> day of June, 2013, before me personally came the above named Karen T. Liby to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth.

Lisa M. Ford  
Notary Public

