

## PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

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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>ROBERT J. DESNICK</td><td>02/18/2014</td></tr><tr><td>LISA EDELMANN</td><td>02/18/2014</td></tr></tbody></table>                                                                                             | Name                                    | Execution Date                          | ROBERT J. DESNICK   | 02/18/2014                | LISA EDELMANN | 02/18/2014 |                |          |              |       |  |
| Name                                                                                                                                                                                                                                                                                                      | Execution Date                          |                                         |                     |                           |               |            |                |          |              |       |  |
| ROBERT J. DESNICK                                                                                                                                                                                                                                                                                         | 02/18/2014                              |                                         |                     |                           |               |            |                |          |              |       |  |
| LISA EDELMANN                                                                                                                                                                                                                                                                                             | 02/18/2014                              |                                         |                     |                           |               |            |                |          |              |       |  |
| RECEIVING PARTY DATA                                                                                                                                                                                                                                                                                      |                                         |                                         |                     |                           |               |            |                |          |              |       |  |
| <table border="1"><tr><td>Name:</td><td>ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI</td></tr><tr><td>Street Address:</td><td>ONE GUSTAVE L. LEVY PLACE</td></tr><tr><td>City:</td><td>NEW YORK</td></tr><tr><td>State/Country:</td><td>NEW YORK</td></tr><tr><td>Postal Code:</td><td>10029</td></tr></table> | Name:                                   | ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI | Street Address:     | ONE GUSTAVE L. LEVY PLACE | City:         | NEW YORK   | State/Country: | NEW YORK | Postal Code: | 10029 |  |
| Name:                                                                                                                                                                                                                                                                                                     | ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI |                                         |                     |                           |               |            |                |          |              |       |  |
| Street Address:                                                                                                                                                                                                                                                                                           | ONE GUSTAVE L. LEVY PLACE               |                                         |                     |                           |               |            |                |          |              |       |  |
| City:                                                                                                                                                                                                                                                                                                     | NEW YORK                                |                                         |                     |                           |               |            |                |          |              |       |  |
| State/Country:                                                                                                                                                                                                                                                                                            | NEW YORK                                |                                         |                     |                           |               |            |                |          |              |       |  |
| Postal Code:                                                                                                                                                                                                                                                                                              | 10029                                   |                                         |                     |                           |               |            |                |          |              |       |  |
| PROPERTY NUMBERS Total: 1                                                                                                                                                                                                                                                                                 |                                         |                                         |                     |                           |               |            |                |          |              |       |  |
| <table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>14122871</td></tr></tbody></table>                                                                                                                                              | Property Type                           | Number                                  | Application Number: | 14122871                  |               |            |                |          |              |       |  |
| Property Type                                                                                                                                                                                                                                                                                             | Number                                  |                                         |                     |                           |               |            |                |          |              |       |  |
| Application Number:                                                                                                                                                                                                                                                                                       | 14122871                                |                                         |                     |                           |               |            |                |          |              |       |  |
| CORRESPONDENCE DATA                                                                                                                                                                                                                                                                                       |                                         |                                         |                     |                           |               |            |                |          |              |       |  |
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| <i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>                                                                                                                                                                                                                    |                                         |                                         |                     |                           |               |            |                |          |              |       |  |
| Correspondent Name: MOUNT SINAI INNOVATION PARTNERS                                                                                                                                                                                                                                                       |                                         |                                         |                     |                           |               |            |                |          |              |       |  |
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| Address Line 4: NEW YORK, NEW YORK 10065                                                                                                                                                                                                                                                                  |                                         |                                         |                     |                           |               |            |                |          |              |       |  |
| ATTORNEY DOCKET NUMBER:                                                                                                                                                                                                                                                                                   | 090604US1                               |                                         |                     |                           |               |            |                |          |              |       |  |
| NAME OF SUBMITTER:                                                                                                                                                                                                                                                                                        | SYBIL A. LOMBILLO                       |                                         |                     |                           |               |            |                |          |              |       |  |
| Signature:                                                                                                                                                                                                                                                                                                | /Sybil A. Lombillo/                     |                                         |                     |                           |               |            |                |          |              |       |  |
| Date:                                                                                                                                                                                                                                                                                                     | 02/19/2014                              |                                         |                     |                           |               |            |                |          |              |       |  |
| Total Attachments: 3<br>source=090604US1PatentAssignment#page1.tif<br>source=090604US1PatentAssignment#page2.tif<br>source=090604US1PatentAssignment#page3.tif                                                                                                                                            |                                         |                                         |                     |                           |               |            |                |          |              |       |  |



## PATENT ASSIGNMENT

Robert J. Desnick, residing at 170 East 93<sup>rd</sup> Street, New York, NY 10128, and  
Lisa Edelmann, residing at 2465 Palisade Avenue, Bronx, NY 10463,  
(referred to as "Assignor(s)") has made an invention(s) (the "Invention(s)") set forth in  
an application for patent of the United States entitled:

Materials and Methods for Identifying Spinal Muscular Atrophy Carriers  
[title of the invention]

and which is a

(1) ☐ Provisional Application

- (a) ☐ to be filed herewith; or  
(b) ☐ bearing Application No. \_\_\_\_\_,  
and filed on \_\_\_\_\_; or

(2) ☒ non-provisional application

- (a) ☐ to be filed herewith; or  
(b) ☒ bearing Application No. 14/122,871, and filed on  
November 27, 2013.

WHEREAS ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI, an  
academic institution organized under the laws of New York, having a place of  
business at One Gustave L. Levy Place, New York, NY 10029, United States; and its  
successors and assigns (collectively hereinafter called "the Assignee"), is desirous of  
acquiring the entire right, title, and interest in: the Invention(s); the application for  
patent identified in paragraph (1) or (2); the right to file applications for patent of the  
United States or other countries on the Invention(s); any application(s) for patent of  
the United States or other countries claiming priority to these application(s); any  
provisional or other right to recover damages, including royalties, for prior  
infringements of these applications; and any patent(s) of the United States or other  
countries that may be granted therefor or thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of  
which is hereby acknowledged, and to the extent that the Assignors have not done so  
already via a prior agreement with the Assignee, or if the Assignors have already done  
so via a prior agreement with the Assignee then in confirmation of any obligation to do  
so in said prior agreement, the Assignors have sold, assigned, transferred, and set over,  
and by these presents do sell, assign, transfer, and set over, unto the Assignee, its  
successors, legal representatives, and assigns, the Assignors' entire right, title, and  
interest in:



- (a) the Invention(s);
- (b) the application for patent identified in paragraph (1) or (2);
- (c) the right to file applications for patent of the United States or other countries on the Invention(s), including all rights under the Paris Convention for the Protection of Industrial Property and under the Patent Cooperation Treaty and all member countries;
- (d) any application(s) for patent of the United States or other countries claiming the Invention(s);
- (e) any application(s) for patent of the United States or other countries claiming priority to the application for patent identified in paragraph (1) or (2) or any application(s) for patent claiming the Invention(s), including any division(s), continuation(s), and continuation(s)-in-part; and
- (f) any provisional or other right to recover damages, including royalties, for prior infringements of any application for patent identified in the preceding paragraphs (b)-(e); and
- (g) any patent(s) of the United States or other countries that may be granted for or on any application for patent identified in the preceding paragraphs (b) - (e), including any reissue(s) and extension(s) of said patent(s).

The above-granted rights, titles, and interests are to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and assignment not been made.

The Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns, that the Assignors will sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done in connection with any and all proceedings for the procurement, maintenance, enforcement and defense of the Invention(s), said applications, and said patents, including interference proceedings, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns.



Icahn School of Medicine at  
Mount Sinai

The Assignors hereby authorize and request the attorneys of

to insert in the spaces provided above the filing date, the application number, and the attorney docket number of the application identified in paragraph (1) or (2) when known.

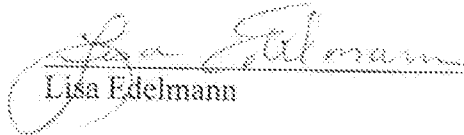
The Assignors hereby request the Commissioner of Patents to issue said patents of the United States to the Assignee for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

I hereby declare subject to the penalty of perjury that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true.

Date: 2/18/14

  
Robert J. Desnick

Date: 2-18-14

  
Lisa Edelmann