

# PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

| SUBMISSION TYPE:   | NEW ASSIGNMENT                         |               |  |                     |                   |               |            |                |               |               |            |
|--|--|---------------|--|---------------------|-------------------|---------------|------------|----------------|---------------|---------------|------------|
| NATURE OF CONVEYANCE:  | ASSIGNMENT                             |               |  |                     |                   |               |            |                |               |               |            |
| <b>CONVEYING PARTY DATA</b>  |  |               |  |                     |                   |               |            |                |               |               |            |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Nikolay Nifantiev</td> <td>02/15/2011</td> </tr> <tr> <td>Yury Tsvetkov</td> <td>02/15/2011</td> </tr> <tr> <td>Gerald B Pier</td> <td>02/16/2011</td> </tr> <tr> <td>Marina Gening</td> <td>02/15/2011</td> </tr> </tbody> </table> |  | Name          | Execution Date                         | Nikolay Nifantiev   | 02/15/2011        | Yury Tsvetkov | 02/15/2011 | Gerald B Pier  | 02/16/2011    | Marina Gening | 02/15/2011 |
| Name   | Execution Date                         |               |  |                     |                   |               |            |                |               |               |            |
| Nikolay Nifantiev  | 02/15/2011                             |               |  |                     |                   |               |            |                |               |               |            |
| Yury Tsvetkov  | 02/15/2011                             |               |  |                     |                   |               |            |                |               |               |            |
| Gerald B Pier  | 02/16/2011                             |               |  |                     |                   |               |            |                |               |               |            |
| Marina Gening  | 02/15/2011                             |               |  |                     |                   |               |            |                |               |               |            |
| <b>RECEIVING PARTY DATA</b>  |  |               |  |                     |                   |               |            |                |               |               |            |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>The Brigham and Women's Hospital, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>75 Francis Street</td> </tr> <tr> <td>City:</td> <td>Boston</td> </tr> <tr> <td>State/Country:</td> <td>MASSACHUSETTS</td> </tr> <tr> <td>Postal Code:</td> <td>02115</td> </tr> </table>                                       |  | Name:         | The Brigham and Women's Hospital, Inc. | Street Address:     | 75 Francis Street | City:         | Boston     | State/Country: | MASSACHUSETTS | Postal Code:  | 02115      |
| Name:  | The Brigham and Women's Hospital, Inc. |               |  |                     |                   |               |            |                |               |               |            |
| Street Address:  | 75 Francis Street                      |               |  |                     |                   |               |            |                |               |               |            |
| City:  | Boston                                 |               |  |                     |                   |               |            |                |               |               |            |
| State/Country:   | MASSACHUSETTS                          |               |  |                     |                   |               |            |                |               |               |            |
| Postal Code:   | 02115                                  |               |  |                     |                   |               |            |                |               |               |            |
| <b>PROPERTY NUMBERS Total: 1</b>   |  |               |  |                     |                   |               |            |                |               |               |            |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th style="width: 70%;">Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13055178</td> </tr> </tbody> </table>  |  | Property Type | Number                                 | Application Number: | 13055178          |               |            |                |               |               |            |
| Property Type  | Number                                 |               |  |                     |                   |               |            |                |               |               |            |
| Application Number:  | 13055178                               |               |  |                     |                   |               |            |                |               |               |            |
| <b>CORRESPONDENCE DATA</b>   |  |               |  |                     |                   |               |            |                |               |               |            |
| <p>Fax Number: (617)646-8646<br/> <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 6176468266</p> <p>Email: patents_maryanneT@wolfgreenfield.com</p> <p>Correspondent Name: Maryanne Trevisan</p> <p>Address Line 1: Wolf Greenfield and Sacks, P.C.</p> <p>Address Line 2: 600 Atlantic Avenue</p> <p>Address Line 4: Boston, MASSACHUSETTS 02210</p>                           |  |               |  |                     |                   |               |            |                |               |               |            |
| ATTORNEY DOCKET NUMBER:  | B0801.70362US02                        |               |  |                     |                   |               |            |                |               |               |            |
| NAME OF SUBMITTER:   | Maria A. Trevisan                      |               |  |                     |                   |               |            |                |               |               |            |
| Total Attachments: 6   |  |               |  |                     |                   |               |            |                |               |               |            |

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**PATENT**  
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## ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I, the undersigned Assignor, hereby:

1. Sell, assign and transfer to **The Brigham and Women's Hospital, Inc.**, a **Massachusetts** corporation having a place of business at **75 Francis Street, Boston, Massachusetts 02115**, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, my entire right, title and interest for the United States and all foreign countries, in and to any and all inventions and designs which are disclosed in the application for United States Letters Patent filed in the United States Patent and Trademark Office on **January 21, 2011** under Serial No. **13/055,178**, bearing Attorney Docket No. **B0801.70362US02**, and entitled **METHODS AND COMPOSITIONS RELATING TO SYNTHETIC BETA-1,6 GLUCOSAMINE OLIGOSACCHARIDES**, and in and to the application and all corresponding provisional, non-provisional, divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent, utility models, industrial designs or similar intellectual property rights which have been or shall be filed in the United States, internationally, and in any foreign country, including but not limited to China, Japan and Korea, on any of the inventions; and in and to all original and reissued patents which have been or shall be issued in the United States or any other jurisdiction on the inventions, including the right to apply for patent rights in each foreign country and all rights to priority, including the right to claim priority for China, Japan and Korea, as well as the right to sue in its own name and recover damages for past infringement of any United States Letters Patent and foreign patent;
2. Agree that the Assignee may apply for and receive Letters Patent and utility model and industrial design registrations for the inventions in its own name; and when requested, without charge to but at the expense of the Assignee, I agree to carry out in good faith the intent and purpose of this assignment, by executing all non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent, utility model and industrial design applications on any and all the inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to the Assignee all facts known to me relating to the inventions and the history thereof, and generally by doing everything reasonably possible which the Assignee shall consider desirable for aiding in securing and maintaining proper protection for the inventions and for vesting title to the inventions and all applications for patents and all patents on the inventions, in the Assignee;
3. Request the Director of the United States Patent and Trademark Office and non-US patent authorities to issue the Letters Patent to the Assignee;
4. Authorize and request Wolf, Greenfield & Sacks, P.C. to supply any missing patent/application identification information or correct any errors in the patent/application identification information provided above, whether discovered prior to or after recordation;
5. Covenant with the Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me; and
6. Appoint Assignee, through its designee, my attorney-in-fact to execute, in my name and on my behalf, any and all documents required to effectuate this Assignment, specifically including, but not limited to, those documents specified above and any necessary corrective assignments.

This instrument is executed under seal and signed under the pains and penalties of perjury under the laws of the United States of America.

\_\_\_\_\_  
Date

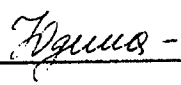
  
Inventor: Nikolay Nifantiev

Address: Litovsky bulvar 13/12-481  
Moscow, 117593  
RUSSIAN FEDERATION

Citizenship: Russian Federation

Witness:

15.02.2011  
Date

  
Signature

Name:

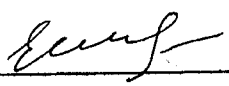
Olga N. Tudina

Address:

4-aya Gruzhdanskaya str. 7-1-8  
Moscow, 107340  
Russian Federation

Witness:

15.02.2011  
Date

  
Signature

Name:

Elena V. Sukhova

Address:

Nagornaya str. 23-2-72  
Moscow, 117186  
Russian Federation

15.02.2011  
Date

Yury Tsvetkov  
Inventor: Yury Tsvetkov  
Address: Novatorov str. 34/4-208  
Moscow, 119421  
RUSSIAN FEDERATION  
Citizenship: Russian Federation

Witness:  
15.02.2011  
Date

Olga N. Tudina  
Signature

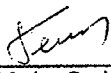
Name: Olga N. Tudina  
Address: 4-aya Grazhdanskaya str. 4-1-8  
Moscow, 104340  
Russian Federation

Witness:  
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Elena V. Sukhova  
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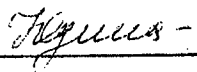
Name: Elena V. Sukhova  
Address: Nagornaya str. 23-2-42  
Moscow, 117186  
Russian Federation

15.02.2011  
Date

  
Inventor: Marina Gening  
Address: 3-Tverskaya-Yamskaya str. 12-31  
Moscow, 125047  
RUSSIAN FEDERATION  
Citizenship: Russian Federation

Witness:

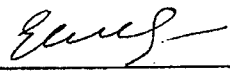
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Name: Olga N. Tordina  
Address: 4-ya, Grazhdanskaya str. 7-1-8  
Moscow, 104340  
Russian Federation

Witness:

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Name: Elena V. Sukhova  
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3. Request the Director of the United States Patent and Trademark Office and non-US patent authorities to issue the Letters Patent to the Assignee;
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This instrument is executed under seal and signed under the pains and penalties of perjury under the laws of the United States of America.

Date 7-16-2011

Inventor: Gerald B. Pier

Address: 21 Thorndike Street  
Brookline, Massachusetts 02446

Citizenship: US

STATE/Commonwealth of MASSACHUSETTS :

COUNTY OF NORFOLK :

On this 16th day of FEBRUARY, 20 11, before me, the undersigned notary public, personally appeared **Gerald B. Pier**, proved to me through satisfactory evidence of identification, which were MADL#S 509 21443, to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of his knowledge and belief and acknowledged to me that he signed it voluntarily for its stated purpose.

SEAL

Saimir Lopez  
Notary Public  
My Commission Expires: 11/04/2016



Saimir Lopez  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires  
November 4, 2016