**PATENT ASSIGNMENT COVER SHEET**

**SUBMISSION TYPE:** NEW ASSIGNMENT

**NATURE OF CONVEYANCE:** ASSIGNMENT

### CONVEYING PARTY DATA

<table>
<thead>
<tr>
<th>Name</th>
<th>Execution Date</th>
</tr>
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<tbody>
<tr>
<td>STEPHANE BANCEL</td>
<td>10/07/2014</td>
</tr>
<tr>
<td>TIRTHA CHAKRABORTY</td>
<td>10/07/2014</td>
</tr>
<tr>
<td>ANTONIN DE FOUGEROLLES</td>
<td>10/09/2014</td>
</tr>
<tr>
<td>SAYDA M. EIBASHIR PHD</td>
<td>10/07/2014</td>
</tr>
<tr>
<td>MATTHIAS JOHN</td>
<td>10/07/2014</td>
</tr>
<tr>
<td>ATANU ROY</td>
<td>10/20/2014</td>
</tr>
<tr>
<td>SUSAN WHORISKEY</td>
<td>10/13/2014</td>
</tr>
<tr>
<td>KRISTY M. WOOD</td>
<td>10/24/2014</td>
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<tr>
<td>PAUL HATALA</td>
<td>10/29/2014</td>
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<tr>
<td>KENECHI EJEBE</td>
<td>10/20/2014</td>
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<tr>
<td>JEFF LYNN ELLSWORTH</td>
<td>10/16/2014</td>
</tr>
<tr>
<td>JUSTIN GUILD</td>
<td>10/07/2014</td>
</tr>
</tbody>
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### RECEIVING PARTY DATA

<table>
<thead>
<tr>
<th>Name</th>
<th>MODERNA THERAPEUTICS, INC.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Street Address</td>
<td>200 TECHNOLOGY SQUARE</td>
</tr>
<tr>
<td>City</td>
<td>CAMBRIDGE</td>
</tr>
<tr>
<td>State/Country</td>
<td>MASSACHUSETTS</td>
</tr>
<tr>
<td>Postal Code</td>
<td>02139</td>
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### PROPERTY NUMBERS Total: 1

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<td>Application Number</td>
<td>14390100</td>
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### CORRESPONDENCE DATA

Fax Number: (978)448-8721

*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.*

Phone: 9784488720

Email: docketing@dtwardlaw.com

Correspondent Name: DT WARD, PC

Address Line 1: 142A MAIN STREET

Address Line 4: GROTON, MASSACHUSETTS 01450
<table>
<thead>
<tr>
<th>ATTORNEY DOCKET NUMBER:</th>
<th>2030.1309US371</th>
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<tr>
<td>NAME OF SUBMITTER:</td>
<td>ANITA M. COSTA</td>
</tr>
<tr>
<td>SIGNATURE:</td>
<td>/Anita M. Costa/</td>
</tr>
<tr>
<td>DATE SIGNED:</td>
<td>11/13/2014</td>
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Total Attachments: 27

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Date 10/2/14
Signature
Name Stephane Bancel

Date 10/07/2014
Signature
Name Tirtha Chakraborty

Date
Signature
Name Antonin de Fougerolles

Date 10/07/2014
Signature
Name Sayda M. Elbashir, Ph.D.

Date
Signature
Name Matthias John
Date __________ Signature ______________________________________
Name_ Atanu Roy ______________________________________________

Date __________ Signature ______________________________________
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Date __________ Signature ______________________________________
Name_ Paul Hatala _____________________________________________

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Name_ Jason P. Schrum _________________________________________

Date __________ Signature ______________________________________
Name_ Kenechi Ejebe __________________________________________

Date __________ Signature ______________________________________
Name_ Jeff Lynn Ellsworth ______________________________________

Date __________ Signature ______________________________________
Name_ Justin Guild ____________________________________________
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Title: MODIFIED POLYNUCLEOTIDES FOR THE PRODUCTION OF PROTEINS

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Date
Name Antonin de Pougerolles

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Date
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Date _________ Signature __________________________
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Date _________ Signature __________________________
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Date 29-04-2014 Signature __________________________
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Date ____________  Signature ____________________________
Name ____________________________
Matthias John
Date 18 February 2014
Signature
Name Atanu Roy

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Name_______ Justin Guild
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For good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, the person(s) named below (referred to as "INVENTOR" whether singular or plural) has sold, assigned, and transferred and does hereby sell, assign, and transfer to Moderna Therapeutics, Inc. having a place of business at 200 Technology Square, Cambridge, MA 02139, for itself and its successors, transferees, and assigns (herein "ASSIGNEE") the following:

1. The entire worldwide right, title, and interest in all inventions and improvements ("SUBJECT MATTER") that are disclosed in the following provisional application filed under 35 U.S.C. § 111(b), non-provisional application filed under 35 U.S.C. § 111(a), international application filed according to the Patent Cooperation Treaty (PCT), or U.S. national phase application filed under 35 U.S.C. § 371 ("APPLICATION");

- Application No. 14/390,100, entitled "MODIFIED POLYNUCLEOTIDES FOR THE PRODUCTION OF PROTEINS", filed October 2, 2014.

2. The entire worldwide right, title, and interest in and to:
(a) the APPLICATION; (b) all applications claiming priority from the APPLICATION;
(c) all provisional, utility, divisional, continuation, substitute, renewal, reissue, and other applications related thereto which have been or may be filed in the United States or elsewhere in the world; (d) all patents (including reissues and re-examinations) which may be granted on the applications set forth in (a), (b), and (c) above; and (e) all right of priority in the APPLICATION and in any underlying provisional or foreign application, together with all rights to sue for and recover damages for past acts of infringement, whether based on any patents listed herein, patents issuing from applications listed herein or provisional rights from any patent application listed herein.

INVENTOR agrees that ASSIGNEE may apply for and receive patents for SUBJECT MATTER in ASSIGNEE’s own name.

INVENTOR agrees to do the following, when requested, and without further consideration, in order to carry out the intent of this Assignment: (1) execute all oaths, assignments, powers of attorney, applications, and other papers necessary or desirable to fully secure to ASSIGNEE the rights, titles and interests herein conveyed; (2) communicate to ASSIGNEE all known facts relating to the SUBJECT MATTER; and (3) generally do all lawful acts that ASSIGNEE shall consider desirable for securing, maintaining, and enforcing worldwide patent protection relating to the SUBJECT MATTER and for vesting in ASSIGNEE the rights, titles, and interests herein conveyed. INVENTOR further agrees to provide any successor, assign, or legal representative of ASSIGNEE with the benefits and assistance provided to ASSIGNEE hereunder.

INVENTOR represents that INVENTOR has the rights, titles, and interests to convey as set forth herein, and covenants with ASSIGNEE that the INVENTOR has not made and will not

Attorney Docket No: 2030.1309US371
hereafter make any assignment, grant, mortgage, license, or other agreement affecting the rights, 
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information which became available between the filing date of the prior application and the 
national or PCT international filing date of the continuation-in-part application.

This Assignment may be executed in one or more counterparts, each of which shall be 
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Date ______________ Signature ________________________________
Name ____________________________ Stephane Bancel

Date ______________ Signature ________________________________
Name ____________________________ Tirtha Chakraborty

Date ______________ Signature ________________________________
Name ____________________________ Antonin de Foug erolles

Date ______________ Signature ________________________________
Name ____________________________ Sayda M. Elbashir, Ph.D.

Date ______________ Signature ________________________________
Name ____________________________ Matthias John
Date __________ Signature ____________________________________________
Name ________________ Atanu Roy

Date __________ Signature ____________________________________________
Name ________________ Susan Whoriskey

Date __________ Signature ____________________________________________
Name ________________ Kristy M. Wood

Date __________ Signature ____________________________________________
Name ________________ Paul Hatala

Date __________ Signature ____________________________________________
Name ________________ Jason P. Schrum

Date 10/2/14 Signature _________________________________________________
Name ________________ Kennechi Ejebe

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2
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