

PATENT ASSIGNMENT

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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>Tirtha Chakraborty</td> <td>03/13/2013</td> </tr> <tr> <td>Antonin de Fougérolles</td> <td>03/13/2013</td> </tr> <tr> <td>Sayda M. Elbashir</td> <td>03/13/2013</td> </tr> <tr> <td>Matthias John</td> <td>03/13/2013</td> </tr> <tr> <td>Atanu Roy</td> <td>03/14/2013</td> </tr> <tr> <td>Susan Whoriskey</td> <td>03/13/2013</td> </tr> <tr> <td>Kristy M. Wood</td> <td>03/14/2013</td> </tr> <tr> <td>Jeff Lynn Ellsworth</td> <td>03/14/2013</td> </tr> <tr> <td>Justin Guild</td> <td>03/14/2013</td> </tr> <tr> <td>Paul Hatala</td> <td>03/14/2013</td> </tr> </tbody> </table>		Name	Execution Date	Tirtha Chakraborty	03/13/2013	Antonin de Fougérolles	03/13/2013	Sayda M. Elbashir	03/13/2013	Matthias John	03/13/2013	Atanu Roy	03/14/2013	Susan Whoriskey	03/13/2013	Kristy M. Wood	03/14/2013	Jeff Lynn Ellsworth	03/14/2013	Justin Guild	03/14/2013	Paul Hatala	03/14/2013
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Paul Hatala	03/14/2013																						
RECEIVING PARTY DATA																							
Name:	modeRNA Therapeutics																						
Street Address:	161 First Street																						
Internal Address:	1st Floor																						
City:	Cambridge																						
State/Country:	MASSACHUSETTS																						
Postal Code:	02142																						
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>US2013030060</td> </tr> </tbody> </table>		Property Type	Number	PCT Number:	US2013030060																		
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PCT Number:	US2013030060																						
CORRESPONDENCE DATA																							
Fax Number:	9784488721																						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																							
Email:	kcorbett@dtwardlaw.com																						
Correspondent Name:	DTWARD, PC																						
Address Line 1:	142A Main Street																						

CH \$40.00 US2013030060

Address Line 4: Groton, MASSACHUSETTS 01450

ATTORNEY DOCKET NUMBER:

2030.1309PCT

NAME OF SUBMITTER:

Kristin Corbett

Total Attachments: 4

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ASSIGNMENT

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, having a place of business at 161 First Street, 1st Floor, Cambridge, MA 02142, 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. PCT/US2013/030060, entitled "MODIFIED POLYNUCLEOTIDES FOR THE PRODUCTION OF PROTEINS", filed March 9, 2013.

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.

Title: MODIFIED POLYNUCLEOTIDES FOR THE PRODUCTION OF PROTEINS
Filed: March 9, 2013
Application No: PCT/US2013/030060

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 hereafter make any assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.

INVENTOR grants the attorney of record the power to insert on this Assignment any further identification that 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.

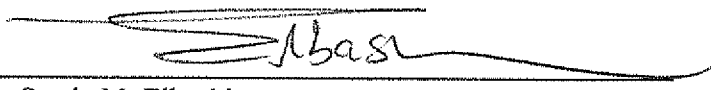
INVENTOR acknowledges the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

Date _____ Signature _____
Name Stephane Bancel

Date 03/13/2013 Signature 
Name Tirtha Chakraborty

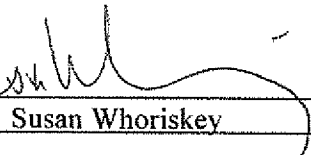
Date 03/13/2013 Signature 
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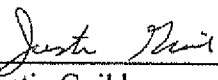
Date 3/14/13 Signature 
Name Kristy M. Wood

Date _____ Signature _____
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Name Jason P. Schrum

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Date _____ Signature _____
Name Atanu Roy

Date _____ Signature _____
Name Susan Whoriskey

Date _____ Signature _____
Name Kristy M. Wood

Date 14th Feb 2013 Signature 
Name Paul Hatala

Date _____ Signature _____
Name Jason P. Schrum

Date _____ Signature _____
Name Kenechi Ejebe

Date _____ Signature _____
Name Jeff Lynn Ellsworth

Date _____ Signature _____
Name Justin Guild