

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
AMY RHODEN-SMITH	11/29/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MODERNATX, INC.
<b>Street Address:</b>	200 TECHNOLOGY SQUARE
<b>City:</b>	CAMBRIDGE
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	02139
<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15760667
<b>Application Number:</b>	15760686
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	50858-058003, 068003
<b>NAME OF SUBMITTER:</b>	MICHAEL J. BELLIVEAU, PH.D.
<b>SIGNATURE:</b>	/Michael J. Belliveau, Ph.D./
<b>DATE SIGNED:</b>	05/21/2018
<b>Total Attachments: 2</b>	
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source=50858-058WO3 - Executed Assignment (Rhoden-Smith)#page2.tif	

# CONFIRMATORY ASSIGNMENT

I,

Full Name of Assignor	City	State (and Country if not USA)
Amy Rhoden Smith	Watertown	MA


acknowledge the assignment, as of the filing dates, to:

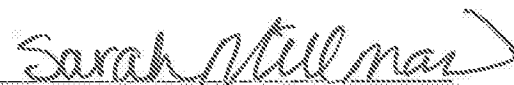
Full Name of Assignee	State of Incorporation	Business Address
ModernaTX, Inc.	Delaware	200 Technology Square Cambridge, MA 02139

and to its successors and assigns (collectively hereinafter called the "ASSIGNEE"), for good and valuable consideration paid to ASSIGNOR by ASSIGNEE, the receipt and sufficiency of which is hereby acknowledged, the entire right, title, and interest in, to, and deriving from the invention(s) disclosed in the patent application(s) set forth below throughout the world by operation of law, contract, or otherwise, and any Letters Patent which may hereafter be granted on the same including any application claiming priority, divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, reexaminations, prolongations or extensions thereof.

Title of Application	Filing Date	Serial Number	Attorney Docket No.
POLYNUCLEOTIDES CONTAINING A STABILIZING TAIL REGION	September 17, 2015	62/220,050	50858-058001
POLYNUCLEOTIDES CONTAINING A STABILIZING TAIL REGION	January 15, 2016	62/279,466	50858-058002
POLYNUCLEOTIDES CONTAINING A STABILIZING TAIL REGION	September 19, 2016	PCT/US2016/052451	50858-058WO3
POLYNUCLEOTIDES CONTAINING A MORPHOLINO LINKER	September 17, 2015	62/219,989	50858-068001
POLYNUCLEOTIDES CONTAINING A MORPHOLINO LINKER	January 15, 2016	62/279,486	50858-068002
POLYNUCLEOTIDES CONTAINING A MORPHOLINO LINKER	September 19, 2016	PCT/US2016/052482	50858-068WO3

Furthermore, we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment includes said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our names or in its own name for patents, utility models, design registrations, and like rights of exclusion, and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation, to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements, and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment. This assignment also includes the right to sue for past acts of infringement, whether based on any patents listed herein, patents issuing from applications listed herein, or provisional rights from any patent applications listed herein.

IN WITNESS WHEREOF, I hereto set my hand and seal at \_\_\_\_\_  
this 29 day of November, 2016  
 Amy Rhoden Smith L.S.  
Amy Rhoden Smith

  
WITNESSED BY

SARAH MILLMAN  
PRINTED NAME