

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5610711

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	JOSHUA P. FREDERICK	09/07/2018
	SUSANNAH HEWITT	08/30/2018
	AILIN BAI	08/31/2018
	STEPHEN G. HOGE	08/09/2018
	VLADIMIR PRESNYAK	08/07/2018
	IAIN MCFADYEN	08/07/2018
	KERRY BENENATO	08/21/2018
	ELLALAEWAGE SATHYAJITH KUMARASINGHE	08/07/2018
<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: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	16457300
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(617)217-4699	
<i>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.</i>		
<b>Phone:</b>	6172174700	
<b>Email:</b>	julie.chandler@nelsonmullins.com, ipboston.docketing@nelsonmullins.com	
<b>Correspondent Name:</b>	NELSON MULLINS RILEY & SCARBOROUGH LLP	
<b>Address Line 1:</b>	ONE POST OFFICE SQUARE, 30TH FLOOR	
<b>Address Line 2:</b>	AMY E. MANDRAGOURAS, ESQ.	
<b>Address Line 4:</b>	BOSTON, MASSACHUSETTS 02109	
<b>ATTORNEY DOCKET NUMBER:</b>	MDN-713PCCN2	
<b>NAME OF SUBMITTER:</b>	AMY E. MANDRAGOURAS, ESQ.	

<b>SIGNATURE:</b>	/Amy E. Mandragouras, Esq./
<b>DATE SIGNED:</b>	07/10/2019
<b>Total Attachments: 11</b> source=Executed Assignment - MDN-713PCCN2#page1.tif source=Executed Assignment - MDN-713PCCN2#page2.tif source=Executed Assignment - MDN-713PCCN2#page3.tif source=Executed Assignment - MDN-713PCCN2#page4.tif source=Executed Assignment - MDN-713PCCN2#page5.tif source=Executed Assignment - MDN-713PCCN2#page6.tif source=Executed Assignment - MDN-713PCCN2#page7.tif source=Executed Assignment - MDN-713PCCN2#page8.tif source=Executed Assignment - MDN-713PCCN2#page9.tif source=Executed Assignment - MDN-713PCCN2#page10.tif source=Executed Assignment - MDN-713PCCN2#page11.tif	

## ASSIGNMENT BY INVENTORS

WE, Joshua P. FREDERICK; Susannah HEWITT; Ailin BAI; Stephen G. HOGE; Vladimir PRESNYAK; Iain MCFADYEN; Kerry BENENATO; and Ellalahewage Sathyajith KUMARASINGHE, of Boston, Massachusetts; Jamaica Plain, Massachusetts; Newton, Massachusetts; Brookline, Massachusetts; Cambridge, Massachusetts; Arlington, Massachusetts; Sudbury, Massachusetts; and Harvard, Massachusetts, respectively, for good and valuable consideration paid to us by

ModernaTX, Inc.

a Corporation of Delaware, having its principal place of business at 200 Technology Square, Cambridge, Massachusetts 02139, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

ModernaTX, Inc.

its successors and assigns, the entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in

### MRNA COMBINATION THERAPY FOR THE TREATMENT OF CANCER

described in an application

☐ Executed by us of even date herewith and about to be filed

or

☒ Application No. 15/996146, filed on June 1, 2018; and International Application No. PCT/US2017/033425, filed on May 18, 2017

This application claims the benefit of the following provisional application(s):

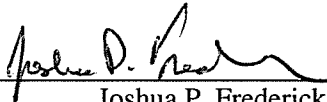
☒ Provisional Application No. 62/338501, filed on May 18, 2016  
Provisional Application No. 62/338496, filed on May 18, 2016  
Provisional Application No. 62/338507, filed on May 18, 2016  
Provisional Application No. 62/338530, filed on May 19, 2016  
Provisional Application No. 62/404173, filed on October 4, 2016  
Provisional Application No. 62/338506, filed on May 18, 2016  
Provisional Application No. 62/338467, filed on May 18, 2016  
Provisional Application No. 62/338505, filed on May 18, 2016  
Provisional Application No. 62/338483, filed on May 18, 2016

in the United States Patent and Trademark Office, and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon. And we agree, for ourselves and our executors and administrators,

with said Corporation and its successors and assigns but at its or their expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said Corporation, with specifications and claims in such form as shall be approved by the counsel of said Corporation and to vest and confirm in said Corporation, its successors and assigns, the legal title to all such patents.

And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said Corporation, its successors and assigns.

And we do further hereby grant the attorneys/agents of Nelson Mullins Riley & Scarborough LLP, the power to insert on this Assignment the filing date and/or application number of said application.

  
Joshua P. Frederick

Date: 9/7/18

United States of America  
State of Massachusetts ss.:  
County of Middlesex

On this 7 day of September, 2018 before me, the  
the undersigned notary public, personally appeared Joshua Frederick  
(name of document signer), proved to me through satisfactory evidence of identification,  
which was personally known, to be the person whose name  
is signed on the preceding or attached document in my presence.

  
(official signature and seal of notary)

My commission expires 1/3/2025



**ANDREA L. CROWELL**  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires  
January 3, 2025

Susannah Hewitt

Susannah Hewitt

Date: August 30th 2018

United States of America )  
State of Massachusetts ) ss.:  
County of Middlesex )

On this 30 day of August, 2018 before me, the  
the undersigned notary public, personally appeared Susannah Hewitt  
(name of document signer), proved to me through satisfactory evidence of identification,  
which was personally known, to be the person whose name  
is signed on the preceding or attached document in my presence.

Andrea L. Crowell (official signature and seal of notary)

My commission expires 1/3/2025



**ANDREA L. CROWELL**  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires  
January 3, 2025

*Ailin Bai*

Ailin Bai

Date:

8/31/18

United States of America )

State of

Massachusetts ) ss.:

County of

Middlesex )

On this

31

day of

August

2018

before me, the

the undersigned notary public, personally appeared

Ailin Bai

(name of document signer), proved to me through satisfactory evidence of identification,

which was

personally known

, to be the person whose name is signed on the preceding or attached document in my presence.

*Andrea L. Crowell*


(official signature and seal of notary)

My commission expires

1/3/2025



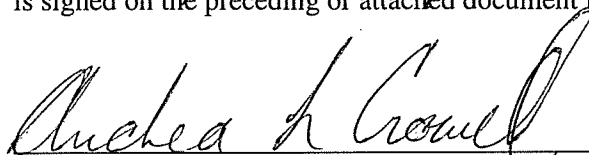
**ANDREA L. CROWELL**  
**Notary Public**  
**Commonwealth of Massachusetts**  
**My Commission Expires**  
**January 3, 2025**

  
\_\_\_\_\_  
Stephen G. Hoge

Date: 8-9-2018

United States of America  
State of Massachusetts ss.:  
County of Middlesex

On this 9 day of August, 2018 before me, the  
the undersigned notary public, personally appeared Stephen Hoge  
(name of document signer), proved to me through satisfactory evidence of identification,  
which was personally known, to be the person whose name  
is signed on the preceding or attached document in my presence.

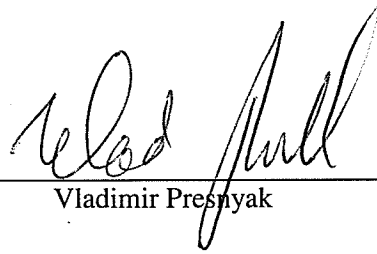
 (official signature and seal of notary)

My commission expires 1/3/2025



**ANDREA L. CROWELL**  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires  
January 3, 2025



  
Vladimir Presnyak


Date: 08/07/18


United States of America )  
State of Massachusetts ss.:  
County of Middlesex

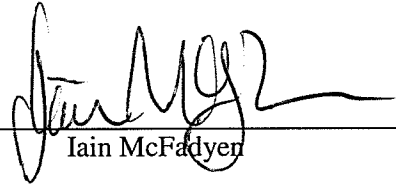
On this 7 day of August, 2018 before me, the  
the undersigned notary public, personally appeared Vladimir Presnyak  
(name of document signer), proved to me through satisfactory evidence of identification,  
which was personally known, to be the person whose name  
is signed on the preceding or attached document in my presence.

 (official signature and seal of notary)

My commission expires 1/3/2025

 **ANDREA L. CROWELL**  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires  
January 3, 2025

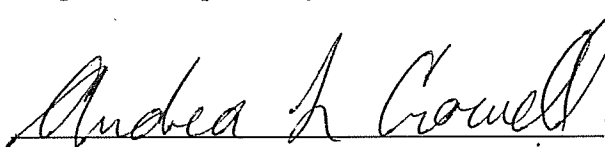
 **ANDREA L. CROWELL**  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires  
January 3, 2025

  
Iain McFadyen

Date: 08/07/2018

United States of America )  
State of Massachusetts ) ss.:  
County of Middlesex )

On this 7 day of August, 2018 before me, the  
the undersigned notary public, personally appeared Iain McFadyen  
(name of document signer), proved to me through satisfactory evidence of identification,  
which was personally known, to be the person whose name  
is signed on the preceding or attached document in my presence.

 (official signature and seal of notary)

My commission expires 1/3/2025



**ANDREA L. CROWELL**  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires  
January 3, 2025

Kerry Benenato  
Kerry Benenato

Date: 8-21-2010

United States of America  
State of Massachusetts ss.:  
County of Middlesex

On this 21 day of August, 2010 before me, the  
the undersigned notary public, personally appeared personally known  
(name of document signer), proved to me through satisfactory evidence of identification, Kerry Benenato  
which was personally known, to be the person whose name  
is signed on the preceding or attached document in my presence.

Andrea L. Crowell (official signature and seal of notary)

My commission expires 1/3/2025



**ANDREA L. CROWELL**  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires  
January 3, 2025

Ellalahewage Sathyajith Kumarasinghe

Ellalahewage Sathyajith Kumarasinghe

Date: Aug 7<sup>th</sup> 2018.

United States of America

State of Massachusetts ss.:

County of Middlesex

On this 7 day of August, 2018 before me, the  
the undersigned notary public, personally appeared Ellalahewage S. Kumarasinghe  
(name of document signer), proved to me through satisfactory evidence of identification,  
which was personally known, to be the person whose name  
is signed on the preceding or attached document in my presence.

Andrea L. Crowell

(official signature and seal of notary)

My commission expires

1/3/2025



**ANDREA L. CROWELL**

**Notary Public**

**Commonwealth of Massachusetts**

**My Commission Expires**

**January 3, 2025**

**ASSIGNEE:**

I hereby acknowledge that rights in the above-identified application have transferred from the assignor(s) by virtue of their above execution of this Assignment and are hereby conveyed to ModernaTX, Inc., the Assignee, of which I am an authorized signatory.

ModernaTX, Inc.

By: 

Title: Head of Intellectual Property

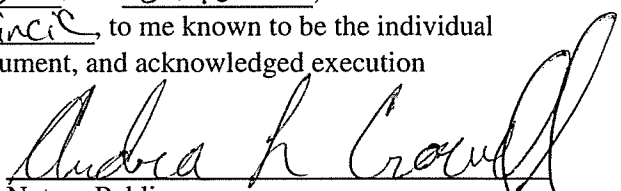
Date: 9/10/18


United States of America )

State of Massachusetts ) ss.:

County of Middlesex )

On this 10 day of September, 2018, before me personally came Debra J. Milasinski, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

  
Notary Public

 **ANDREA L. CROWELL**  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires  
January 3, 2025