

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT7948032

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
PAUL A. HARMON	12/15/2022
FRANCIS FLANAGAN	01/05/2023
MICHAEL LOWINGER	12/14/2022
NARAYAN VARIANKAVAL	12/19/2022
CHAD DAVID BROWN	12/19/2022
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MICHELLE A. SSKO
<b>Street Address:</b>	126 EAST LINCOLN AVENUE
<b>City:</b>	RAHWAY
<b>State/Country:</b>	NEW JERSEY
<b>Postal Code:</b>	07065
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14404147
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(732)594-4720
<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>Email:</b>	us_efs@merck.com
<b>Correspondent Name:</b>	MERCK SHARP & DOHME LLC
<b>Address Line 1:</b>	126 EAST LINCOLN AVENUE RY86-2011A
<b>Address Line 4:</b>	RAHWAY, NEW JERSEY 18062
<b>ATTORNEY DOCKET NUMBER:</b>	MRL-NOP-00064
<b>NAME OF SUBMITTER:</b>	MICHELLE A. SSKO
<b>SIGNATURE:</b>	/Michelle A. Sisko/
<b>DATE SIGNED:</b>	05/11/2023
<b>Total Attachments: 17</b>	
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source=MRLNOP00064-Assign-executed#page17.tif

## WORLDWIDE ASSIGNMENT

WHEREAS, I/WE,

- |                                |            |                         |
|--------------------------------|------------|-------------------------|
| (1) <u>Paul A. Harmon</u>      | located at | <u>Audubon, PA</u>      |
| (2) <u>Narayan Variankaval</u> | located at | <u>Plainsboro, NJ</u>   |
| (3) <u>Michael Lowinger</u>    | located at | <u>Ridgewood, NJ</u>    |
| (4) <u>Chad David Brown</u>    | located at | <u>Pittstown, NJ</u>    |
| (5) <u>Francis Flanagan</u>    | located at | <u>Conshohocken, PA</u> |

(hereinafter ASSIGNOR(S)), is/are the inventor(s) of the invention described in an application for Patents having the Attorney Docket Number indicated above and the following Title of the Invention:

## SOLID DOSAGE FORMULATIONS OF AN OREXIN RECEPTOR

and/or in the following application(s):

- U.S. Provisional Application No. 61/653,539 filed on 05-31-2012
- U.S. Provisional Application No. 61/787,686 filed on 03-15-2013
- PCT International Application No. PCT/US2013/042959 having a filing date of 05-29-2013
- U.S. Application No. 14/404,147 having a filing date of 11-26-2014;
- U.S. Application No. 16/059,439 having a filing date of 08-09-2018;
- U.S. Application No. 17/474,332 having a filing date of 09-14-2021;

WHEREAS I/WE covenant that the rights and property herein conveyed are free and clear of any encumbrance, and that I/we have the full right to convey the same as herein expressed.

WHEREAS, Merck Sharp & Dohme Corp., a corporation organized under the laws of the State of New Jersey, having an office at 126 East Lincoln Avenue, Rahway, New Jersey 07065, and its successors, assigns and legal representatives (hereinafter **ASSIGNEE**), is desirous of obtaining the entire right, title and interest in, to and under the invention disclosed in said application or applications;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I/we, said ASSIGNOR(S), do each hereby sell, assign and transfer or confirm the grant and assignment to said **ASSIGNEE** my/our entire right, title and interest in all countries of the world in and to my/our invention described in said application for Patents, in and to the right to file patent applications in the name of **ASSIGNEE**, its designee, or in any or all of our names, at its election, on the aforesaid invention in all countries of the world, together with all rights of priority in the aforesaid countries deriving from the above-identified application for Patents under the International Convention for the Protection of Industrial Property, under the Inter-American Convention relating to Inventions, Patents, Designs and Industrial Models and under any other international arrangement relating to patents or intellectual property, in and to any and all Letters Patent that are granted from the aforesaid application for Patents, in and to any applications claiming priority benefits to a provisional patent application or other applications filed on said invention, and in and to any continuations, divisions, reexaminations, reissues, renewals and extensions thereof of any of said Letters Patent, the same to be held and enjoyed by said **ASSIGNEE**, to the full ends of the terms for which all Letters Patent therefore may be granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

AND I/WE HEREBY covenant and agree that we will at any time, upon the request and at the expense of **ASSIGNEE**, without further compensation or charge to said **ASSIGNEE**, execute and deliver any and all documents that may be necessary or desirable to perfect the title to the foregoing invention, patent applications, and Letters Patent and continuations, divisions, reexaminations, reissues, renewals and extensions thereof in the name of **ASSIGNEE**, including the execution and procurement of any and all further documents evidencing this assignment and sale as may be necessary or desirable for recording the same in the Patent Office of any country concerned, and will make all rightful oaths and declarations and do all lawful acts requisite for procuring the same or for aiding therein.

I/WE HEREBY authorize **ASSIGNEE** to insert in this instrument the Application Number(s) and the filing date(s) of said application for Patents when officially notified thereof.

This document may be executed in any number of counterparts, each of which so executed shall be deemed to be an original, but all such components shall together constitute but one and the same document.

Executed this 15 day of December, 2022

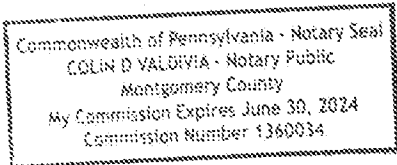
Paul A. Harmon  
Paul A. Harmon

ACKNOWLEDGEMENT

Pennsylvania of audubon )  
County of Montgomery ) s.s.:

On this 15 day of December, 2022, personally appeared before me Paul A. Harmon, to me known, and known by me to be the same person(s) described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)



Colin D Valdivia  
Notary Public

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 2022

\_\_\_\_\_  
Narayan Variankaval

ACKNOWLEDGEMENT

\_\_\_\_\_ of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) s.s.:

On this \_\_\_\_\_ day of \_\_\_\_\_, 2022, personally appeared before me Narayan Variankaval, to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

\_\_\_\_\_  
Notary Public

Executed this \_\_\_\_ day of \_\_\_\_\_, 2022

\_\_\_\_\_  
**Michael Lowinger**

**ACKNOWLEDGEMENT**

\_\_\_\_\_ of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) s.s.:

On this \_\_\_\_ day of \_\_\_\_\_, 2022, personally appeared before me **Michael Lowinger**, to me known, and known by me to be the same person(s) described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

\_\_\_\_\_  
Notary Public

Executed this \_\_\_\_ day of \_\_\_\_\_, 2022

\_\_\_\_\_  
**Chad David Brown**

**ACKNOWLEDGEMENT**

\_\_\_\_\_ of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) s.s.:

On this \_\_\_\_ day of \_\_\_\_\_, 2022, personally appeared before me **Chad David Brown**, to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

\_\_\_\_\_  
Notary Public

Executed this \_\_\_\_ day of \_\_\_\_\_, 2022

\_\_\_\_\_  
**Francis Flanagan**

**ACKNOWLEDGEMENT**

\_\_\_\_\_ of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) s.s.:

On this \_\_\_\_ day of \_\_\_\_\_, 2022, personally appeared before me **Francis Flanagan**, to me known, and known by me to be the same person(s) described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

\_\_\_\_\_  
Notary Public

## WORLDWIDE ASSIGNMENT

WHEREAS, I/WE,

(1) <u>Paul A. Harmon</u>	located at	<u>Audubon, PA</u>
(2) <u>Narayan Variankaval</u>	located at	<u>Plainsboro, NJ</u>
(3) <u>Michael Lowinger</u>	located at	<u>Ridgewood, NJ</u>
(4) <u>Chad David Brown</u>	located at	<u>Pittstown, NJ</u>
(5) <u>Francis Flanagan</u>	located at	<u>Conshohocken, PA</u>

(hereinafter ASSIGNOR(S)), is/are the inventor(s) of the invention described in an application for Patents having the Attorney Docket Number indicated above and the following Title of the Invention:

## SOLID DOSAGE FORMULATIONS OF AN OREXIN RECEPTOR

and/or in the following application(s):

U.S. Provisional Application No. 61/653,539 filed on 05-31-2012  
 U.S. Provisional Application No. 61/787,686 filed on 03-15-2013  
 PCT International Application No. PCT/US2013/042959 having a filing date of 05-29-2013  
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 U.S. Application No. 16/059,439 having a filing date of 08-09-2018;  
 U.S. Application No. 17/474,332 having a filing date of 09-14-2021;

WHEREAS I/WE covenant that the rights and property herein conveyed are free and clear of any encumbrance, and that I/we have the full right to convey the same as herein expressed.

WHEREAS, Merck Sharp & Dohme Corp., a corporation organized under the laws of the State of New Jersey, having an office at 126 East Lincoln Avenue, Rahway, New Jersey 07065, and its successors, assigns and legal representatives (hereinafter **ASSIGNEE**), is desirous of obtaining the entire right, title and interest in, to and under the invention disclosed in said application or applications;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I/we, said ASSIGNOR(S), do each hereby sell, assign and transfer or confirm the grant and assignment to said **ASSIGNEE** my/our entire right, title and interest in all countries of the world in and to my/our invention described in said application for Patents, in and to the right to file patent applications in the name of **ASSIGNEE**, its designee, or in any or all of our names, at its election, on the aforesaid invention in all countries of the world, together with all rights of priority in the aforesaid countries deriving from the above-identified application for Patents under the International Convention for the Protection of Industrial Property, under the Inter-American Convention relating to Inventions, Patents, Designs and Industrial Models and under any other international arrangement relating to patents or intellectual property, in and to any and all Letters Patent that are granted from the aforesaid application for Patents, in and to any applications claiming priority benefits to a provisional patent application or other applications filed on said invention, and in and to any continuations, divisions, reexaminations, reissues, renewals and extensions thereof of any of said Letters Patent, the same to be held and enjoyed by said **ASSIGNEE**, to the full ends of the terms for which all Letters Patent therefore may be granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

AND I/WE HEREBY covenant and agree that we will at any time, upon the request and at the expense of **ASSIGNEE**, without further compensation or charge to said **ASSIGNEE**, execute and deliver any and all documents that may be necessary or desirable to perfect the title to the foregoing invention, patent applications, and Letters Patent and continuations, divisions, reexaminations, reissues, renewals and extensions thereof in the name of **ASSIGNEE**, including the execution and procurement of any and all further documents evidencing this assignment and sale as may be necessary or desirable for recording the same in the Patent Office of any country concerned, and will make all rightful oaths and declarations and do all lawful acts requisite for procuring the same or for aiding therein.

I/WE HEREBY authorize **ASSIGNEE** to insert in this instrument the Application Number(s) and the filing date(s) of said application for Patents when officially notified thereof.

This document may be executed in any number of counterparts, each of which so executed shall be deemed to be an original, but all such components shall together constitute but one and the same document.

Executed this \_\_\_\_ day of \_\_\_\_\_, 2022

\_\_\_\_\_  
Paul A. Harmon

**ACKNOWLEDGEMENT**

\_\_\_\_\_ of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) s.s.:

On this \_\_\_\_ day of \_\_\_\_\_, 2022, personally appeared before me **Paul A. Harmon**, to me known, and known by me to be the same person(s) described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

\_\_\_\_\_  
Notary Public

Executed this \_\_\_\_ day of \_\_\_\_\_, 2022

\_\_\_\_\_  
Narayan Variankaval

**ACKNOWLEDGEMENT**

\_\_\_\_\_ of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) s.s.:

On this \_\_\_\_ day of \_\_\_\_\_, 2022, personally appeared before me **Narayan Variankaval**, to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

\_\_\_\_\_  
Notary Public



Executed this \_\_\_\_ day of \_\_\_\_\_, 2022

\_\_\_\_\_  
**Michael Lowinger**

**ACKNOWLEDGEMENT**

\_\_\_\_\_ of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) s.s.:

On this \_\_\_\_ day of \_\_\_\_\_, 2022, personally appeared before me **Michael Lowinger**, to me known, and known by me to be the same person(s) described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

\_\_\_\_\_  
Notary Public

Executed this \_\_\_\_ day of \_\_\_\_\_, 2022

\_\_\_\_\_  
**Chad David Brown**

**ACKNOWLEDGEMENT**

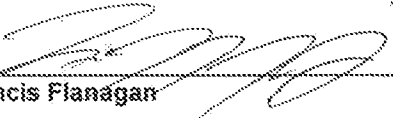
\_\_\_\_\_ of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) s.s.:

On this \_\_\_\_ day of \_\_\_\_\_, 2022, personally appeared before me **Chad David Brown**, to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

\_\_\_\_\_  
Notary Public

Executed this 5<sup>th</sup> day of January, ~~2022~~ <sup>2023</sup>

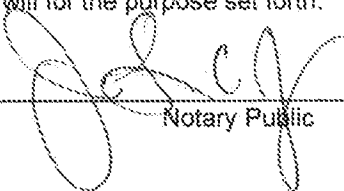
  
\_\_\_\_\_  
Francis Flanagan

**ACKNOWLEDGEMENT**

Commonwealth of Pennsylvania )  
County of Montgomery ) s.s.:

On this 5<sup>th</sup> day of January, ~~2022~~ <sup>2023</sup>, personally appeared before me Francis Flanagan, to me known, and known by me to be the same person(s) described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

  
\_\_\_\_\_  
Notary Public

Commonwealth of Pennsylvania - Notary Seal  
Jeanine L. Jackson, Notary Public  
Montgomery County  
My commission expires May 23, 2026  
Commission number 1420109  
Member, Pennsylvania Association of Notaries

## WORLDWIDE ASSIGNMENT

WHEREAS, I/WE,

- |                                  |            |                         |
|----------------------------------|------------|-------------------------|
| (1) <u>Paul A. Harmon</u> ,      | located at | <u>Audubon, PA</u>      |
| (2) <u>Narayan Variankaval</u> , | located at | <u>Plainsboro, NJ</u>   |
| (3) <u>Michael Lowinger</u> ,    | located at | <u>Ridgewood, NJ</u>    |
| (4) <u>Chad David Brown</u> ,    | located at | <u>Pittstown, NJ</u>    |
| (5) <u>Francis Flanagan</u> ,    | located at | <u>Conshohocken, PA</u> |

(hereinafter ASSIGNOR(S)), is/are the inventor(s) of the invention described in an application for Patents having the Attorney Docket Number indicated above and the following Title of the Invention:

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and/or in the following application(s):

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 PCT International Application No. PCT/US2013/042959 having a filing date of 05-29-2013  
 U.S. Application No. 14/404,147 having a filing date of 11-26-2014;  
 U.S. Application No. 16/059,439 having a filing date of 08-09-2018;  
 U.S. Application No. 17/474,332 having a filing date of 09-14-2021;

WHEREAS I/WE covenant that the rights and property herein conveyed are free and clear of any encumbrance, and that I/we have the full right to convey the same as herein expressed.

WHEREAS, Merck Sharp & Dohme Corp., a corporation organized under the laws of the State of New Jersey, having an office at 126 East Lincoln Avenue, Rahway, New Jersey 07065, and its successors, assigns and legal representatives (hereinafter **ASSIGNEE**), is desirous of obtaining the entire right, title and interest in, to and under the invention disclosed in said application or applications;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I/we, said ASSIGNOR(S), do each hereby sell, assign and transfer or confirm the grant and assignment to said **ASSIGNEE** my/our entire right, title and interest in all countries of the world in and to my/our invention described in said application for Patents, in and to the right to file patent applications in the name of **ASSIGNEE**, its designee, or in any or all of our names, at its election, on the aforesaid invention in all countries of the world, together with all rights of priority in the aforesaid countries deriving from the above-identified application for Patents under the International Convention for the Protection of Industrial Property, under the Inter-American Convention relating to Inventions, Patents, Designs and Industrial Models and under any other international arrangement relating to patents or intellectual property, in and to any and all Letters Patent that are granted from the aforesaid application for Patents, in and to any applications claiming priority benefits to a provisional patent application or other applications filed on said invention, and in and to any continuations, divisions, reexaminations, reissues, renewals and extensions thereof of any of said Letters Patent, the same to be held and enjoyed by said **ASSIGNEE**, to the full ends of the terms for which all Letters Patent therefore may be granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

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I/WE HEREBY authorize **ASSIGNEE** to insert in this instrument the Application Number(s) and the filing date(s) of said application for Patents when officially notified thereof.

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Executed this \_\_\_\_ day of \_\_\_\_\_, 2022

\_\_\_\_\_  
Paul A. Harmon

**ACKNOWLEDGEMENT**

\_\_\_\_\_ of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) s.s.:

On this \_\_\_\_ day of \_\_\_\_\_, 2022, personally appeared before me **Paul A. Harmon**, to me known, and known by me to be the same person(s) described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

\_\_\_\_\_  
Notary Public

Executed this \_\_\_\_ day of \_\_\_\_\_, 2022

\_\_\_\_\_  
Narayan Variankaval

**ACKNOWLEDGEMENT**

\_\_\_\_\_ of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) s.s.:

On this \_\_\_\_ day of \_\_\_\_\_, 2022, personally appeared before me **Narayan Variankaval**, to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

\_\_\_\_\_  
Notary Public

Executed this 14 day of December, 2022

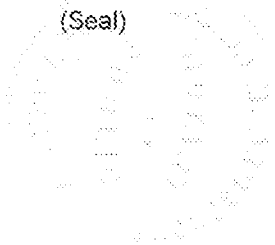
Michael Lowinger  
Michael Lowinger

**ACKNOWLEDGEMENT**

4th (2nd) STATE of New Jersey  
County of Union ) s.s.:

On this 14 day of December, 2022, personally appeared before me Michael Lowinger, to me known, and known by me to be the same person(s) described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)



Shawn M. Armstrong  
Notary Public

SHAWN M. ARMSTRONG  
NOTARY PUBLIC OF NEW JERSEY  
My Commission Expires July 6, 2025

Executed this \_\_\_\_ day of \_\_\_\_\_, 2022

\_\_\_\_\_  
Chad David Brown

**ACKNOWLEDGEMENT**

\_\_\_\_\_ of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) s.s.:

On this \_\_\_\_ day of \_\_\_\_\_, 2022, personally appeared before me Chad David Brown, to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

\_\_\_\_\_  
Notary Public

Executed this \_\_\_\_ day of \_\_\_\_\_, 2022

\_\_\_\_\_  
**Francis Flanagan**

**ACKNOWLEDGEMENT**

\_\_\_\_\_ of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) s.s.:  
\_\_\_\_\_ )

On this \_\_\_\_ day of \_\_\_\_\_, 2022, personally appeared before me **Francis Flanagan**, to me known, and known by me to be the same person(s) described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

\_\_\_\_\_  
Notary Public

## WORLDWIDE ASSIGNMENT

WHEREAS, I/WE,

(1) <u>Paul A. Harmon</u> ,	located at	<u>Audubon, PA</u>
(2) <u>Narayan Variankaval</u> ,	located at	<u>Plainsboro, NJ</u>
(3) <u>Michael Lowinger</u> ,	located at	<u>Ridgewood, NJ</u>
(4) <u>Chad David Brown</u> ,	located at	<u>Pittstown, NJ</u>
(5) <u>Francis Flanagan</u> ,	located at	<u>Conshohocken, PA</u>

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WHEREAS I/WE covenant that the rights and property herein conveyed are free and clear of any encumbrance, and that I/we have the full right to convey the same as herein expressed.

WHEREAS, Merck Sharp & Dohme Corp., a corporation organized under the laws of the State of New Jersey, having an office at 126 East Lincoln Avenue, Rahway, New Jersey 07065, and its successors, assigns and legal representatives (hereinafter **ASSIGNEE**), is desirous of obtaining the entire right, title and interest in, to and under the invention disclosed in said application or applications;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I/we, said ASSIGNOR(S), do each hereby sell, assign and transfer or confirm the grant and assignment to said **ASSIGNEE** my/our entire right, title and interest in all countries of the world in and to my/our invention described in said application for Patents, in and to the right to file patent applications in the name of **ASSIGNEE**, its designee, or in any or all of our names, at its election, on the aforesaid invention in all countries of the world, together with all rights of priority in the aforesaid countries deriving from the above-identified application for Patents under the International Convention for the Protection of Industrial Property, under the Inter-American Convention relating to Inventions, Patents, Designs and Industrial Models and under any other international arrangement relating to patents or intellectual property, in and to any and all Letters Patent that are granted from the aforesaid application for Patents, in and to any applications claiming priority benefits to a provisional patent application or other applications filed on said invention, and in and to any continuations, divisions, reexaminations, reissues, renewals and extensions thereof of any of said Letters Patent, the same to be held and enjoyed by said **ASSIGNEE**, to the full ends of the terms for which all Letters Patent therefore may be granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

AND I/WE HEREBY covenant and agree that we will at any time, upon the request and at the expense of **ASSIGNEE**, without further compensation or charge to said **ASSIGNEE**, execute and deliver any and all documents that may be necessary or desirable to perfect the title to the foregoing invention, patent applications, and Letters Patent and continuations, divisions, reexaminations, reissues, renewals and extensions thereof in the name of **ASSIGNEE**, including the execution and procurement of any and all further documents evidencing this assignment and sale as may be necessary or desirable for recording the same in the Patent Office of any country concerned, and will make all rightful oaths and declarations and do all lawful acts requisite for procuring the same or for aiding therein.

I/WE HEREBY authorize **ASSIGNEE** to insert in this instrument the Application Number(s) and the filing date(s) of said application for Patents when officially notified thereof.

This document may be executed in any number of counterparts, each of which so executed shall be deemed to be an original, but all such components shall together constitute but one and the same document.

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 2022

\_\_\_\_\_  
Paul A. Harmon

**ACKNOWLEDGEMENT**

\_\_\_\_\_ of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) s.s.:

On this \_\_\_\_\_ day of \_\_\_\_\_, 2022, personally appeared before me Paul A. Harmon, to me known, and known by me to be the same person(s) described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

\_\_\_\_\_  
Notary Public

Executed this 19 day of December, 2022

Y.E.N.  
\_\_\_\_\_  
Narayan Variankaval

**ACKNOWLEDGEMENT**

State of New Jersey )  
County of Union ) s.s.:

On this 19<sup>th</sup> day of December, 2022, personally appeared before me Narayan Variankaval, to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Mark A. Lazarow  
\_\_\_\_\_  
Notary Public

MARK A. LAZAROW  
NOTARY PUBLIC OF NEW JERSEY  
My Commission Expires Dec. 13, 2026



Executed this \_\_\_\_\_ day of \_\_\_\_\_, 2022

\_\_\_\_\_  
Michael Lowinger

**ACKNOWLEDGEMENT**

\_\_\_\_\_ of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) s.s.:

On this \_\_\_\_\_ day of \_\_\_\_\_, 2022, personally appeared before me Michael Lowinger, to me known, and known by me to be the same person(s) described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

\_\_\_\_\_  
Notary Public

Executed this 19 day of DECEMBER, 2022

Chad David Brown  
Chad David Brown

**ACKNOWLEDGEMENT**

State of New Jersey )  
County of Union ) s.s.:

On this 19<sup>th</sup> day of December, 2022, personally appeared before me Chad David Brown, to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Mark A. Lazarow  
Notary Public

MARK A. LAZAROW  
NOTARY PUBLIC OF NEW JERSEY  
My Commission Expires Dec. 13, 2025

Executed this \_\_\_\_ day of \_\_\_\_\_, 2022

\_\_\_\_\_  
**Francis Flanagan**

**ACKNOWLEDGEMENT**

\_\_\_\_\_ of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) s.s.:

On this \_\_\_\_ day of \_\_\_\_\_, 2022, personally appeared before me **Francis Flanagan**, to me known, and known by me to be the same person(s) described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

\_\_\_\_\_  
Notary Public

Accepted and agreed to by ASSIGNEE Merck Sharp & Dohme LLC

Signature: Cynthia A. Francisco

Name: CYNTHIA A. FRANCISCO

Title: Executive Director, Asset Management

Date: 1/17/2023

**ACKNOWLEDGEMENT**

State of New Jersey

) s.s.:

County of Union )

On this 17<sup>th</sup> day of January, 2023, personally appeared before me Cynthia A. Francisco to me known, and known by me to be the same person(s) described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Mark A. Lazarow  
Notary Public

MARK A. LAZAROW  
NOTARY PUBLIC OF NEW JERSEY  
My Commission Expires Dec. 13, 2026

