PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6661946

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DANITH H. LY	03/25/2021
SHIVAJI THADKE	02/01/2019
SAMUEL I. BACKENROTH	04/08/2021
RAMESH U. BATWAL	04/08/2021
DIETRICH A. STEPHAN	04/11/2021
LETHA SOOTER	07/24/2019
VALENTINA DI CARO	04/08/2021

RECEIVING PARTY DATA

Name:	NEUBASE THERAPEUTICS, INC.
Street Address:	350 TECHNOLOGY DRIVE
City:	PITTSBURGH
State/Country:	PENNSYLVANIA
Postal Code:	15219

PROPERTY NUMBERS Total: 5

Property Type	Number
Application Number:	17218145
Application Number:	17231997
Application Number:	17231998
Application Number:	17232000
Application Number:	17232001

CORRESPONDENCE DATA

Fax Number: (650)493-6811

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: 1-650-493-9300

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Correspondent Name: WILSON SONSINI GOODRICH & ROSATI

Address Line 1: 650 PAGE MILL ROAD

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PATENT REEL: 055953 FRAME: 0717

506615139

ATTORNEY DOCKET NUMBER:	54344-712.201 - 304
NAME OF SUBMITTER:	TRISHA AGRAWAL
SIGNATURE:	/Trisha Agrawal/
DATE SIGNED:	04/16/2021

Total Attachments: 25

source=NeuBase 54344-712-201 ExecutedAssignment#page1.tif source=NeuBase 54344-712-201 ExecutedAssignment#page2.tif source=NeuBase 54344-712-201 ExecutedAssignment#page3.tif source=NeuBase_54344-712-201_ExecutedAssignment#page4.tif source=NeuBase_54344-712-201_ExecutedAssignment#page5.tif source=NeuBase 54344-712-201 ExecutedAssignment#page6.tif source=NeuBase 54344-712-201 ExecutedAssignment#page7.tif source=NeuBase_54344-712-201_ExecutedAssignment#page8.tif source=NeuBase 54344-712-201 ExecutedAssignment#page9.tif source=NeuBase 54344-712-201 ExecutedAssignment#page10.tif source=NeuBase 54344-712-201 ExecutedAssignment#page11.tif source=NeuBase_54344-712-201_ExecutedAssignment#page12.tif source=NeuBase 54344-712-201 ExecutedAssignment#page13.tif source=NeuBase 54344-712-201 ExecutedAssignment#page14.tif source=NeuBase 54344-712-201 ExecutedAssignment#page15.tif source=NeuBase_54344-712-201_ExecutedAssignment#page16.tif source=NeuBase 54344-712-201 ExecutedAssignment#page17.tif source=NeuBase 54344-712-201 ExecutedAssignment#page18.tif source=NeuBase 54344-712-201 ExecutedAssignment#page19.tif source=NeuBase 54344-712-201 ExecutedAssignment#page20.tif source=NeuBase_54344-712-201_ExecutedAssignment#page21.tif source=NeuBase 54344-712-201 ExecutedAssignment#page22.tif source=NeuBase 54344-712-201 ExecutedAssignment#page23.tif source=NeuBase 54344-712-201 ExecutedAssignment#page24.tif source=NeuBase 54344-712-201 ExecutedAssignment#page25.tif

PATENT ASSIGNMENT	Docket No. 54344-712.201
-------------------	--------------------------

The undersigned:

1. Danith H. LY Pittsburgh, PA

(the "<u>Inventor(s)</u>"), desire to assign the entire right, title and interest in and to the Inventions and Assigned Patents (each, as defined below) to <u>NeuBase Therapeutics</u>, <u>Inc.</u>, a corporation incorporated under the laws of the State of <u>Delaware</u>, having a place of business at <u>700 Technology Drive</u>, <u>Pittsburgh</u>, <u>PA 15219</u>, (the "<u>Assignee</u>"), and Assignee desires to acquire such right, title and interest, all on the terms and conditions set forth in this Patent Assignment.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventor(s) to have been received in full from said Assignee:

1. Said Inventor(s) have invented certain new and useful inventions and improvements disclosed in the following patent(s) and patent application(s):

MODIFIED PEPTIDE NUCLEIC ACID COMPOSITIONS

• for which a Utility application will be filed on or before March 30, 2021 in the United States which will claim priority to U.S. Application No. 63/002,326, filed March 30, 2020.

(the "Listed Patent(s)"). As used herein: "Assigned Patents" means (a) the Listed Patent(s), (b) all Patents that share priority with or claim priority to or from the Listed Patent(s), including each and every Patent that is a divisional, substitution, continuation, continuation-in-part, non-provisional, or national phase application of any of the Listed Patent(s), (c) all Patents applied for on an invention disclosed within the Patents included in foregoing subclauses (a)-(b), (d) each and every Patent granting, issuing or reissuing from any of the foregoing under subclauses (a)-(c), (e) each and every reissue, reexamination, renewal or extension of any kind of any of the foregoing under subclauses (a)-(d), and (f) each and every Patent filed outside the United States and corresponding to any of the foregoing under subclauses (a)-(e). "Patents" means (i) patents, certifications of inventions, inventor's certificates and other forms of protection granted on any invention in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty, including those filed under the Paris Convention for the Protection of Industrial Property, The Patent Cooperation Treaty or otherwise, and (ii) applications therefor (whether provisional, converted provisional, utility, design, plant, utility model, non-provisional or otherwise).

- 2. Said Inventor(s) do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to the Assigned Patents, including the right to claim priority to and from said Assigned Patents; (b) in and to the inventions disclosed in the Assigned Patents, and in and to all embodiments of the inventions, heretofore conceived, made or discovered, whether jointly or severally, by said Inventor(s) (the "Inventions") and (c) in and to all claims for past, present and future infringement of the Assigned Patents, including all rights to sue for and to receive and recover for Assignee's own use all past, present, and future lost profits, royalties, and damages of whatever nature recoverable from an infringement of the Assigned Patents.
- 3. Said Inventor(s) hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty. Such cooperation by said Inventor(s) shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for filing, prosecuting or maintaining any of the Assigned Patents; (c) for filing, prosecuting or maintaining applications for reissuance of any said Assigned Patents; (d) for interference or other priority proceedings involving said Assigned Patents or Inventions; and (e) for legal proceedings involving said Inventions or Assigned Patents, including without limitation reissues and reexaminations, IPRs, opposition and other post-grant proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that reasonable expenses incurred by said Inventor(s) in providing such cooperation shall be paid for by said Assignee.
- 4. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventor(s), their respective heirs, legal representatives and assigns.
- 5. Said Inventor(s) hereby warrant, represent and covenant that said Inventor(s) have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.
- 6. Said Inventor(s) hereby request that any Assigned Patents issuing or granting in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty, be issued or granted in the name of the Assignee, or its successors and assigns, for the sole use of said Assignee, its successors, legal representatives and assigns.
- 7. This instrument will be interpreted and construed in accordance with the laws of the <u>New York</u>, without regard to conflict of law principles. If any provision of this instrument is found to be illegal or unenforceable, the other provisions shall remain effective and enforceable to the greatest extent permitted by law. This instrument may be executed in counterparts, each of which is deemed an original, but all of which together constitute one and the same agreement.

PATENT ANNUANIAL

Decker No. 54344,712,201

. i. 3/25/24

David Co.

RECLIVED AND AGREED TO BY ASSIGNED.

Scullage Therapeutics, inc.

J. 7.27.27

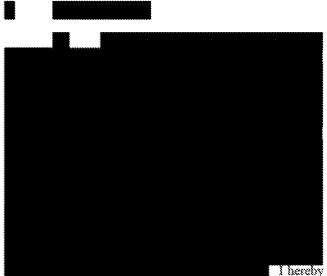
Signature

Norw Design (Seption 1815) Little Champion and Thir

NEUBASE THERAPEUTICS, INC.

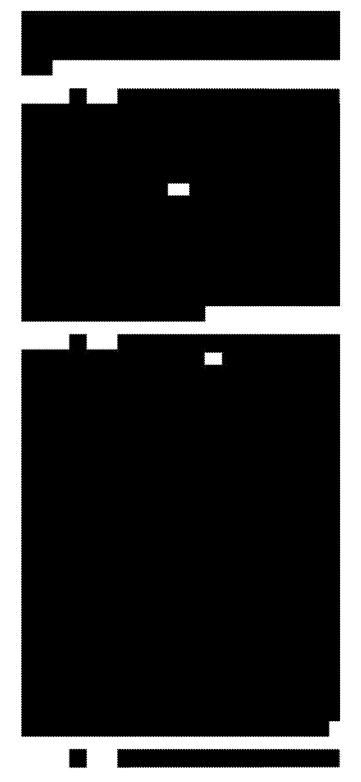
EMPLOYEE PROPRIETARY INFORMATION AND INVENTIONS ASSIGNMENT AGREEMENT

In consideration of my employment or continued employment by NEUBASE THERAPEUTICS, INC. (the "Company"), and the compensation now and hereafter paid to me, I hereby agree as follows:



assign to the Company any rights I may have or acquire in any and all such Proprietary Information and recognize that all Proprietary Information shall be the sole and exclusive property of the Company Group and its assigns.

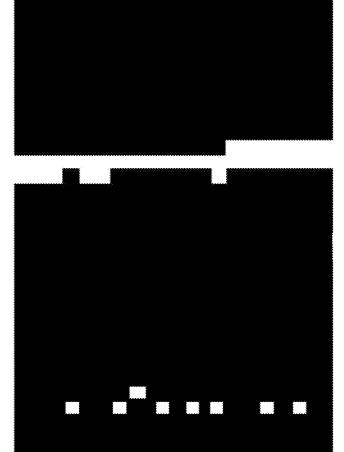
Proprietary Information. The term "Proprietary Information" shall mean any and all confidential and/or proprietary knowledge, data or information of the Company Group or related to the Company Group's business or its actual or demonstrably anticipated research or development. By way of illustration but not limitation, "Proprietary Information" includes (a) trade secrets, technical data, research, products, services, ideas, inventions, mask works, compositions of matter, ideas, plans, applications, concepts, improvements, works of art, manuals, laboratory notebooks, policies, information, notes, analyses, compilations, drawings, materials, processes, studies, samples, processes, formulas, artwork, biological materials, compounds, compositions of matter, source and object codes, data and databases, programs, other of authorship, know-how, improvements, discoveries, developments, designs and techniques, whether or not patentable, copyrightable or otherwise legally protectable (hereinafter collectively referred to as "Inventions"); and

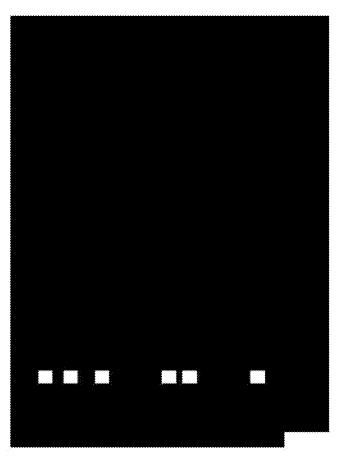




2. ASSIGNMENT OF INVENTIONS.

2.1 Proprietary Rights. The term "Proprietary Rights" shall mean all trade secrets, patents, patent applications, copyrights, mask works, trademarks and other intellectual property rights, along with any registrations of or applications to register such rights and Moral Rights recognized by the laws of any jurisdiction or country.



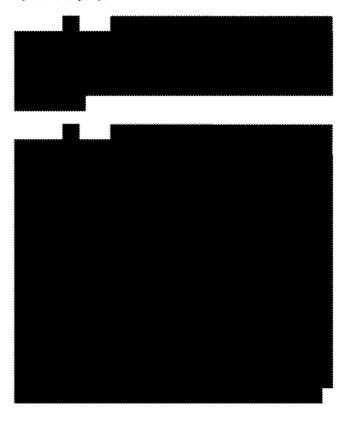


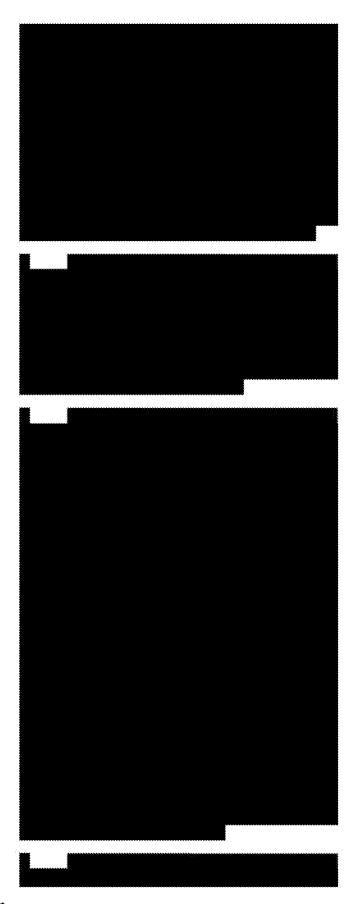
Assignment of Inventions. Subject to Sections 2.4, and 2.6, without further compensation. I hereby assign and agree to assign in the future (when any such Inventions or Proprietary Rights are first reduced to practice or first fixed in a tangible medium, as applicable) to the Company all my right, title and interest in and to any and all Inventions (and all Proprietary Rights with respect thereto) whether or not patentable, copyrightable or otherwise legally protectable, made or conceived or reduced to practice or learned by me, either alone or jointly with others, during the period of my employment with the Company Group. I understand that this assignment is intended to, and does, extend to subject matters currently in existence, those in development, as well as those which have not yet been created. Inventions assigned to the Company, or to a third party as directed by the Company pursuant to this Section 2, are hereinafter referred to as "Company Group Inventions."



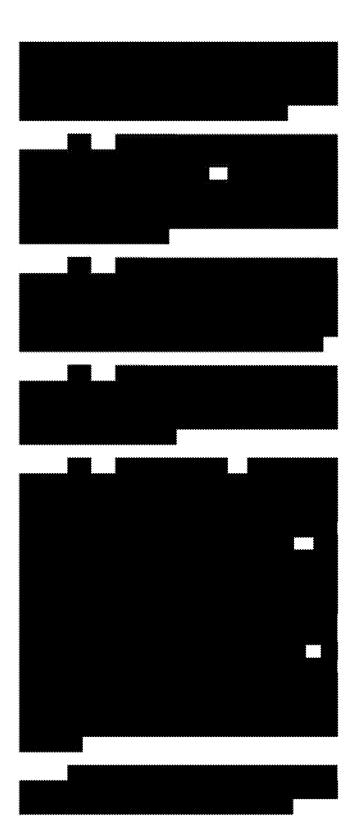


2.6 Government or Third Party. I also agree to assign all my right, title and interest in and to any particular Company Group Invention to a third party, including without limitation the United States, as directed by the Company.









I HAVE READ THIS AGREEMENT CAREFULLY AND UNDERSTAND ITS TERMS. I HAVE COMPLETELY FILLED OUT EXHIBIT B TO THIS AGREEMENT.

Dated: 2/1/2019

Shire

(Signature)

Name: Shivaji Thadke, PhD

ACCEPTED AND AGREED TO:

NEUBASE THERAPEUTICS, INC.

Ву:_____

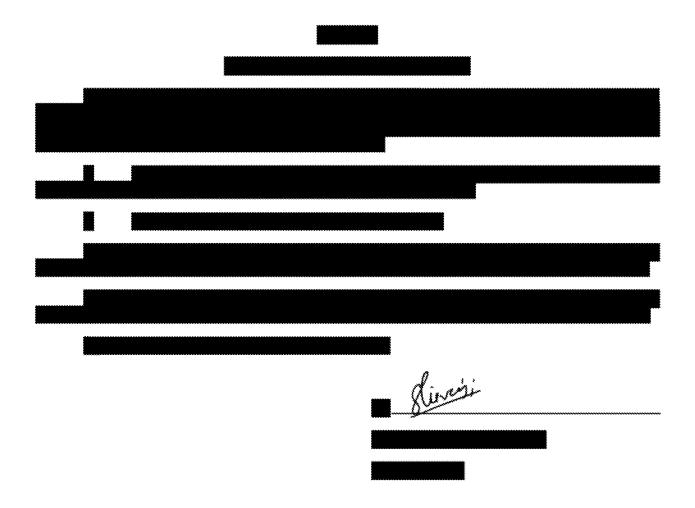
Name: Dietrich Stephan

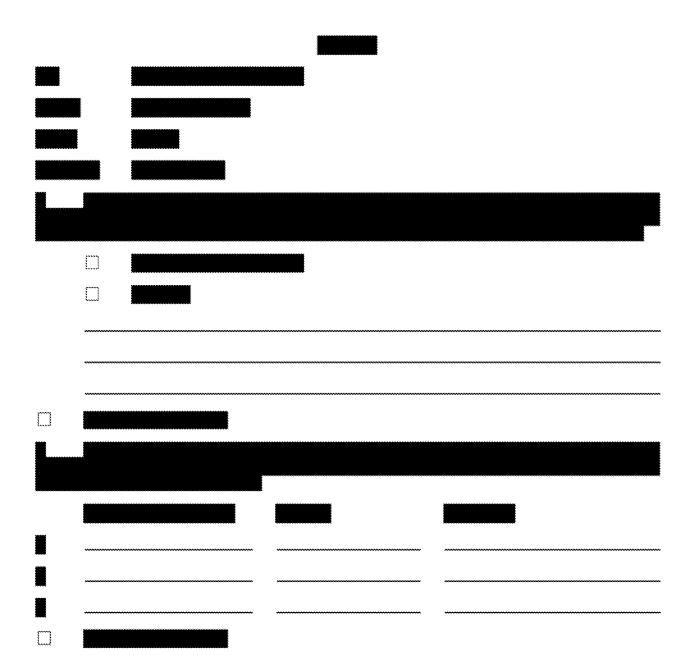
Title: CEO

Address: 1261 Murray Hill Avenue

Pittsborgh, PA 15217

Dated: 2/1/2019







I have dead this acressive carpelly and independent firms. These completely filled out Exhbit B to this acressiant.

Dated: 2/1/2019

(Signature)

Name: Shivaji Thadke, Phil

Accepted And Agreed To:

NECHASE TREMAPROTIES, INC.

By

Name: District Stephen

Title: CEO

Address

1261 Murray Hill Avenue

Pittsburgh, PA 15217

Dated: 2/1/2019

Docket No. 54344-712.201

The undersigned:

 Samuel I. BACKENROTH Spring Valley, NY

(the "Inventor(s)"), desire to assign the entire right, title and interest in and to the Inventions and Assigned Patents (each, as defined below) to NeuBase Therapeutics, Inc., a corporation incorporated under the laws of the State of Delaware, having a place of business at 350 Technology Drive, Pittsburgh, PA 15219, (the "Assignee"), and Assignee desires to acquire such right, title and interest, all on the terms and conditions set forth in this Patent Assignment.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventor(s) to have been received in full from said Assignee:

1. Said Inventor(s) have invented certain new and useful inventions and improvements disclosed in the following patent(s) and patent application(s):

MODIFIED PEPTIDE NUCLEIC ACID COMPOSITIONS

• for which application serial number 17/218,145 was filed on March 30, 2021 in the United States Patent and Trademark Office.

(the "Listed Patent(s)"). As used herein: "Assigned Patents" means (a) the Listed Patent(s), (b) all Patents that share priority with or claim priority to or from the Listed Patent(s), including each and every Patent that is a divisional, substitution, continuation, continuation-in-part, non-provisional, or national phase application of any of the Listed Patent(s), (c) all Patents applied for on an invention disclosed within the Patents included in foregoing subclauses (a)-(b), (d) each and every Patent granting, issuing or reissuing from any of the foregoing under subclauses (a)-(c), (e) each and every reissue, reexamination, renewal or extension of any kind of any of the foregoing under subclauses (a)-(d), and (f) each and every Patent filed outside the United States and corresponding to any of the foregoing under subclauses (a)-(e). "Patents" means (i) patents, certifications of inventions, inventor's certificates and other forms of protection granted on any invention in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty, including those filed under the Paris Convention for the Protection of Industrial Property, The Patent Cooperation Treaty or otherwise, and (ii) applications therefor (whether provisional, converted provisional, utility, design, plant, utility model, non-provisional or otherwise).

- 2. Said Inventor(s) do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to the Assigned Patents, including the right to claim priority to and from said Assigned Patents; (b) in and to the inventions disclosed in the Assigned Patents, and in and to all embodiments of the inventions, heretofore conceived, made or discovered, whether jointly or severally, by said Inventor(s) (the "Inventions") and (c) in and to all claims for past, present and future infringement of the Assigned Patents, including all rights to sue for and to receive and recover for Assignee's own use all past, present, and future lost profits, royalties, and damages of whatever nature recoverable from an infringement of the Assigned Patents.
- 3. Said Inventor(s) hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty. Such cooperation by said Inventor(s) shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for filing, prosecuting or maintaining any of the Assigned Patents; (c) for filing, prosecuting or maintaining applications for reissuance of any said Assigned Patents; (d) for interference or other priority proceedings involving said Assigned Patents or Inventions; and (e) for legal proceedings involving said Inventions or Assigned Patents, including without limitation reissues and reexaminations, IPRs, opposition and other post-grant proceedings, , cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that reasonable expenses incurred by said Inventor(s) in providing such cooperation shall be paid for by said Assignee.
- 4. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventor(s), their respective heirs, legal representatives and assigns.
- 5. Said Inventor(s) hereby warrant, represent and covenant that said Inventor(s) have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.
- 6. Said Inventor(s) hereby request that any Assigned Patents issuing or granting in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty, be issued or granted in the name of the Assignee, or its successors and assigns, for the sole use of said Assignee, its successors, legal representatives and assigns.
- 7. This instrument will be interpreted and construed in accordance with the laws of the New York, without regard to conflict of law principles. If any provision of this instrument is found to be illegal or unenforceable, the other provisions shall remain effective and enforceable to the greatest extent permitted by law. This instrument may be executed in counterparts, each of which is deemed an original, but all of which together constitute one and the same agreement.

PATENT ASSIGNMENT	Oosker No. 5 044-712.281
IN WITNESS WIE REOF, and inventors) have excessed and delivered this averagem to said Assign	uce as of the dates written below
Date: 48/21 Description of the Street L BACKENBOTH	
RECEIVED AND AGREED TO BY ASSIGNED. NewBase Therepeaties, Inc. Date: Sugnature Name: Districtive Scorten, Ph.D. Title: Clastrateg and C.D.	

Docket No. 54344-712.201

The undersigned:

1. Ramesh U. BATWAL Pittsburgh, PA

(the "<u>Inventor(s)</u>"), desire to assign the entire right, title and interest in and to the Inventions and Assigned Patents (each, as defined below) to <u>NeuBase Therapeutics</u>, Inc., a corporation incorporated under the laws of the State of <u>Delaware</u>, having a place of business at <u>350 Technology Drive</u>, <u>Pittsburgh</u>, <u>PA 15219</u>, (the "<u>Assignee</u>"), and Assignee desires to acquire such right, title and interest, all on the terms and conditions set forth in this Patent Assignment.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventor(s) to have been received in full from said Assignee:

1. Said Inventor(s) have invented certain new and useful inventions and improvements disclosed in the following patent(s) and patent application(s):

MODIFIED PEPTIDE NUCLEIC ACID COMPOSITIONS

for which application serial number 17/218,145 was filed on March 30, 2021 in the United States Patent and Trademark Office.

(the "Listed Patent(s)"). As used herein: "Assigned Patents" means (a) the Listed Patent(s), (b) all Patents that share priority with or claim priority to or from the Listed Patent(s), including each and every Patent that is a divisional, substitution, continuation, continuation-in-part, non-provisional, or national phase application of any of the Listed Patent(s), (c) all Patents applied for on an invention disclosed within the Patents included in foregoing subclauses (a)-(b), (d) each and every Patent granting, issuing or reissuing from any of the foregoing under subclauses (a)-(c), (e) each and every reissue, reexamination, renewal or extension of any kind of any of the foregoing under subclauses (a)-(d), and (f) each and every Patent filed outside the United States and corresponding to any of the foregoing under subclauses (a)-(e). "Patents" means (i) patents, certifications of inventions, inventor's certificates and other forms of protection granted on any invention in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty, including those filed under the Paris Convention for the Protection of Industrial Property, The Patent Cooperation Treaty or otherwise, and (ii) applications therefor (whether provisional, converted provisional, utility, design, plant, utility model, non-provisional or otherwise).

- 2. Said Inventor(s) do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to the Assigned Patents, including the right to claim priority to and from said Assigned Patents; (b) in and to the inventions disclosed in the Assigned Patents, and in and to all embodiments of the inventions, heretofore conceived, made or discovered, whether jointly or severally, by said Inventor(s) (the "Inventions") and (c) in and to all claims for past, present and future infringement of the Assigned Patents, including all rights to sue for and to receive and recover for Assignee's own use all past, present, and future lost profits, royalties, and damages of whatever nature recoverable from an infringement of the Assigned Patents.
- 3. Said Inventor(s) hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty. Such cooperation by said Inventor(s) shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for filing, prosecuting or maintaining any of the Assigned Patents; (c) for filing, prosecuting or maintaining applications for reissuance of any said Assigned Patents; (d) for interference or other priority proceedings involving said Assigned Patents or Inventions; and (e) for legal proceedings involving said Inventions or Assigned Patents, including without limitation reissues and reexaminations, IPRs, opposition and other post-grant proceedings, , cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that reasonable expenses incurred by said Inventor(s) in providing such cooperation shall be paid for by said Assignee.
- 4. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventor(s), their respective heirs, legal representatives and assigns.
- 5. Said Inventor(s) hereby warrant, represent and covenant that said Inventor(s) have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.
- 6. Said Inventor(s) hereby request that any Assigned Patents issuing or granting in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty, be issued or granted in the name of the Assignee, or its successors and assigns, for the sole use of said Assignee, its successors, legal representatives and assigns.
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	PATENT ASSIGNMENT	Docket No. S4344-712.291
IN WITNESS	WHEREOF, said Inventor(s) have executed and delivered this instrum	nent to said Assignee as of the dates written below:
Date: 4 8 2.5 x2	Ramesh U. SATWAL	
RECEIVED AND AG NeuBase Therapeutic	Signature: Name: Dhynich A. Siephan, Ph.D. Title: Chalupun and CEO	

Docket No. 54344-712.201

The undersigned:

1. Dietrich A. STEPHAN Pittsburgh, PA

(the "Inventor(s)"), desire to assign the entire right, title and interest in and to the Inventions and Assigned Patents (each, as defined below) to NeuBase Therapeutics, Inc., a corporation incorporated under the laws of the State of Delaware, having a place of business at 350 Technology Drive, Pittsburgh, PA 15219, (the "Assignee"), and Assignee desires to acquire such right, title and interest, all on the terms and conditions set forth in this Patent Assignment.

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MODIFIED PEPTIDE NUCLEIC ACID COMPOSITIONS

for which application serial number 17/218,145 was filed on March 30, 2021 in the United States Patent and Trademark Office.

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- 3. Said Inventor(s) hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty. Such cooperation by said Inventor(s) shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for filing, prosecuting or maintaining any of the Assigned Patents; (c) for filing, prosecuting or maintaining applications for reissuance of any said Assigned Patents; (d) for interference or other priority proceedings involving said Assigned Patents or Inventions; and (e) for legal proceedings involving said Inventions or Assigned Patents, including without limitation reissues and reexaminations, IPRs, opposition and other post-grant proceedings, , cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that reasonable expenses incurred by said Inventor(s) in providing such cooperation shall be paid for by said Assignee.
- 4. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventor(s), their respective heirs, legal representatives and assigns.
- 5. Said Inventor(s) hereby warrant, represent and covenant that said Inventor(s) have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.
- 6. Said Inventor(s) hereby request that any Assigned Patents issuing or granting in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty, be issued or granted in the name of the Assignee, or its successors and assigns, for the sole use of said Assignee, its successors, legal representatives and assigns.
- 7. This instrument will be interpreted and construed in accordance with the laws of the New York, without regard to conflict of law principles. If any provision of this instrument is found to be illegal or unenforceable, the other provisions shall remain effective and enforceable to the greatest extent permitted by law. This instrument may be executed in counterparts, each of which is deemed an original, but all of which together constitute one and the same agreement.

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PATENT ASSIGNMENT	Docket No. 54344-712.201
IN WITNESS WHEREOF, said Inventor(s) have executed and delivered this instrument to said Assign	ice as of the dates written below:
Date: 4/11/2/ Dietrich & STEPHAN	
RECEIVED AND AGREED TO BY ASSIGNEE: NeuBase Therapeutics, Inc.	
Date: Y/u/2/ Signature:	

NEUBASE THERAPEUTICS, INC.

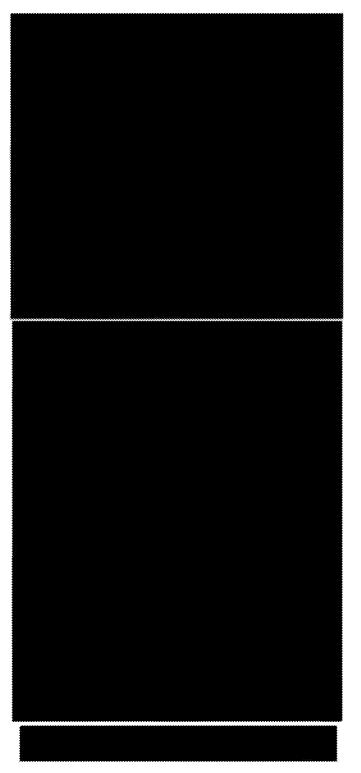
EMPLOYEE PROPRIETARY INFORMATION AND INVENTIONS ASSIGNMENT AGREEMENT

In consideration of my employment or continued employment by NEUBASE THERAPEUTICS, INC. (the "Company"), and the compensation now and hereafter paid to me, I hereby agree as follows:



assign to the Company any rights I may have or acquire in any and all such Proprietary Information and recognize that all Proprietary Information shall be the sole and exclusive property of the Company Group and its assigns.

Proprietary Information. 1.2 The term "Proprietary Information" shall mean any and all confidential and/or proprietary knowledge, data or information of the Company Group or related to the Company Group's business or its actual or demonstrably anticipated research or development. By way of illustration but not limitation, "Proprietary Information" includes (a) trade accrets, technical data, research, products, services, ideas, inventions, mask works, compositions of matter, ideas, plans, applications, concepts, improvements, works of art, manuals, laboratory notebooks, policies, information, notes, analyses, compilations, drawings, materials, processes, studies, samples, processes, formulas, artwork, biological materials, compounds, compositions of matter, source and object codes, data and databases, programs, other OF. authorship, know-kow, improvements, discoveries, developments, designs and techniques, whether or not patentable, copyrightable or otherwise legally protectable (hereinafter collectively referred to as "Inventions"), and

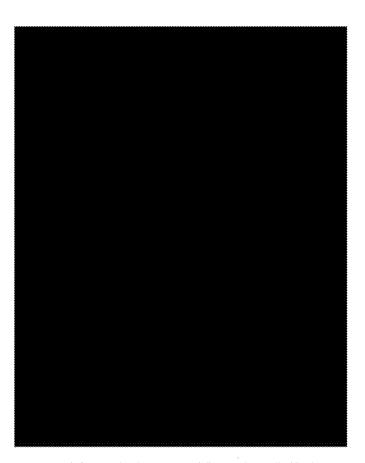


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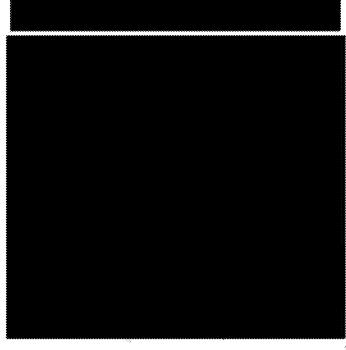


2. ASSIGNMENT OF INVENTIONS.

2.1 Proprietary Rights. The term "Proprietary Rights" shall mean all trade secrets, patents, patent applications, copyrights, mask works, trademarks and other intellectual property rights, along with any registrations of or applications to register such rights and Moral Rights recognized by the laws of any jurisdiction or country.



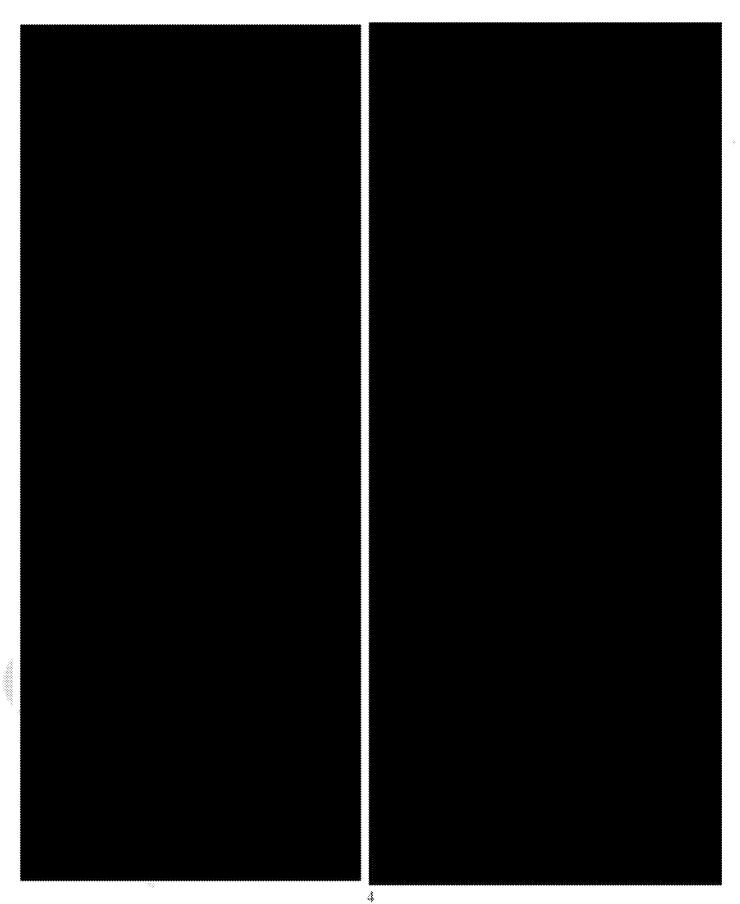
Assignment of Inventions, Subject to Sections 2.4, and 2.6, without further compensation, I hereby assign and agree to assign in the future (when any such inventions or Proprietary Rights are first reduced to practice or first fixed in a tangible medium, as applicable) to the Company ail my right, title and interest in and to any and all Inventions (and all Proprietary Rights with respect thereto) whether or not patentable, copyrightable or otherwise legally protectable, made or conceived or reduced to practice or learned by me, either alone or jointly with others, during the period of my employment with the Company Group. I understand that this assignment is intended to, and does, extend to subject matters currently in existence, those in development, as well as those which have not yet been created. Inventions assigned to the Company, or to a third party as directed by the Company pursuant to this Section 2, are hereinafter referred to as "Company Group Inventions."



2.8 Government or Third Party. I also agree to assign all my right, title and interest in and to any particular Company Group Invention to a third party, including without limitation the United States, as directed by the Company.

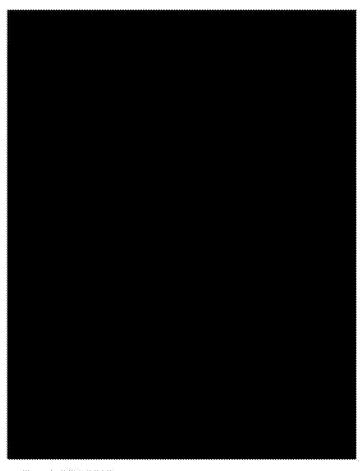
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- LEGAL US_W # 97273058.1





Dated: 7/24/2019

(Signature)

Name: Letha Sooter, Ph.D.

ACCEPTED AND AGREED TO:

NEUBASE THERAPEUTICS, INC.

By: 4

Name: Dietrich Stephan

Title: CEO

Address:

700 Technology Drive Pittsburgh, PA 15219

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LEGAL_US_W# 97273054.1





Docket No. 54344-712.201

The undersigned:

 Valentina DI CARO Glenshaw, PA

(the "Inventor(s)"), desire to assign the entire right, title and interest in and to the Inventions and Assigned Patents (each, as defined below) to NeuBase Therapeutics, Inc., a corporation incorporated under the laws of the State of Delaware, having a place of business at 350 Technology Drive, Pittsburgh, PA 15219, (the "Assignee"), and Assignee desires to acquire such right, title and interest, all on the terms and conditions set forth in this Patent Assignment.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventor(s) to have been received in full from said Assignee:

1. Said Inventor(s) have invented certain new and useful inventions and improvements disclosed in the following patent(s) and patent application(s):

MODIFIED PEPTIDE NUCLEIC ACID COMPOSITIONS

• for which application serial number 17/218,145 was filed on March 30, 2021 in the United States Patent and Trademark Office.

(the "Listed Patent(s)"). As used herein: "Assigned Patents" means (a) the Listed Patent(s), (b) all Patents that share priority with or claim priority to or from the Listed Patent(s), including each and every Patent that is a divisional, substitution, continuation, continuation-in-part, non-provisional, or national phase application of any of the Listed Patent(s), (c) all Patents applied for on an invention disclosed within the Patents included in foregoing subclauses (a)-(b), (d) each and every Patent granting, issuing or reissuing from any of the foregoing under subclauses (a)-(c), (e) each and every reissue, reexamination, renewal or extension of any kind of any of the foregoing under subclauses (a)-(d), and (f) each and every Patent filed outside the United States and corresponding to any of the foregoing under subclauses (a)-(e). "Patents" means (i) patents, certifications of inventions, inventor's certificates and other forms of protection granted on any invention in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty, including those filed under the Paris Convention for the Protection of Industrial Property, The Patent Cooperation Treaty or otherwise, and (ii) applications therefor (whether provisional, converted provisional, utility, design, plant, utility model, non-provisional or otherwise).

- 2. Said Inventor(s) do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to the Assigned Patents, including the right to claim priority to and from said Assigned Patents; (b) in and to the inventions disclosed in the Assigned Patents, and in and to all embodiments of the inventions, heretofore conceived, made or discovered, whether jointly or severally, by said Inventor(s) (the "Inventions") and (c) in and to all claims for past, present and future infringement of the Assigned Patents, including all rights to sue for and to receive and recover for Assignee's own use all past, present, and future lost profits, royalties, and damages of whatever nature recoverable from an infringement of the Assigned Patents.
- 3. Said Inventor(s) hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty. Such cooperation by said Inventor(s) shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for filing, prosecuting or maintaining any of the Assigned Patents; (c) for filing, prosecuting or maintaining applications for reissuance of any said Assigned Patents; (d) for interference or other priority proceedings involving said Assigned Patents or Inventions; and (e) for legal proceedings involving said Inventions or Assigned Patents, including without limitation reissues and reexaminations, IPRs, opposition and other post-grant proceedings, , cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that reasonable expenses incurred by said Inventor(s) in providing such cooperation shall be paid for by said Assignee.
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- 7. This instrument will be interpreted and construed in accordance with the laws of the New York, without regard to conflict of law principles. If any provision of this instrument is found to be illegal or unenforceable, the other provisions shall remain effective and enforceable to the greatest extent permitted by law. This instrument may be executed in counterparts, each of which is deemed an original, but all of which together constitute one and the same agreement.

	PATENT ASSIGNMENT		Dacket No. 54344-712.201
in witness whereof	, said inventur(s) have executed and delivered (his instrument to said Assign	ee as of the dates written beli
Date: 4/8/24 Velo Valentina	tue Des		
RECEIVED AND AGREED TO Neuflase Therapeutics, Inc. Date:Signs	4		
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RECORDED: 04/16/2021