UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

DECEMBER 11, 2017

PTAS

WILSON SONSINI GOODRICH & ROSATI
650 PAGE MILL ROAD
PALO ALTO, CA 94304

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UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT RECORDATION BRANCH OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE ASSIGNMENT RECORDATION BRANCH AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT RECORDATION BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 12/08/2017 REEL/FRAME: 044339/0186
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

DOCKET NUMBER: 46085-710.101

ASSIGNOR:
PTACIN, JEROD DOC DATE: 11/08/2017

ASSIGNOR:
CAFFARO, CAROLINA E. DOC DATE: 11/08/2017

ASSIGNEE:
SYNTHORX, INC.
11099 N. TORREY PINES ROAD
SUITE 290
LA JOLLA, CALIFORNIA 92037

APPLICATION NUMBER: 62540781 FILING DATE: 08/03/2017
PATENT NUMBER: ISSUE DATE:
TITLE: CYTOKINE CONJUGATES AND USES THEREOF

ASSIGNMENT RECORDATION BRANCH
PUBLIC RECORDS DIVISION

PATENT ASSIGNMENT	Docket Number 46085-710.101

WHEREAS, the undersigned:

1. Jerod PTACIN
   12580 Montellano Ter
   La Jolla, CA 92130
2. Carolina E. CAFFARO
   12580 Montellano Ter
   La Jolla, CA 92130

(hereinafter "Inventor(s))," have invented certain new and useful improvements in

CYTOKINE CONJUGATES AND USES THEREOF

☒ for which application serial number 62/540,781 was filed on August 3, 2017 in the United States Patent and Trademark Office;
(hereinafter, "Application(s)"). The term "Application(s)" also includes all patent applications that share or claim priority to or from the above application(s).

WHEREAS, Synthorx, Inc., a corporation of the State of Delaware, having a place of business at 11099 N. Torrey Pines Road, Suite 290, La Jolla, CA 92037, USA, (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said Application(s), and the inventions disclosed therein, and in and to all embodiments of the inventions, heretofore conceived, made or discovered, whether jointly or severally, by said Inventor(s) (hereinafter collectively referred to as "Inventions"), and in and to any and all patents, inventor's certificates and other forms of protection thereon granted 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 (hereinafter "Patent(s)").

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) do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said Inventions; (b) in and to said Applications, including the right to claim priority to and from said Application(s); (c) in and to each and every application that is a divisional, substitution, continuation, or continuation-in-part of any of said Application(s); (d) in and to said Patent(s) and each and every patent issuing or reissuing from any of the foregoing; (e) in and to each and every reissue, reexamination, renewal or extension of any kind of any of the foregoing; (f) in and to each and every patent and application filed outside the United States and corresponding to any of the foregoing; and (g) in and to all claims for past, present and future infringement of the Patent(s), 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 Patent(s).

2. 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 prosecuting any applications covering said Inventions; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said Inventions; (d) for filing and prosecuting applications for reissuance of any said Patent(s); (e) for interference or other priority proceedings involving said Inventions; and (f) for legal proceedings involving said Inventions and any applications therefor and any Patent(s) granted thereon, including without limitation reissues and reexaminations, opposition 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.

3. 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.

4. 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.

5. Said Inventor(s) hereby request that any Patent(s) issuing in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty, be issued in the name of the Assignee, or its successors and assigns, for the sole use of said Assignee, its successors, legal representatives and assigns.

6. This instrument will be interpreted and construed in accordance with the laws of the State of California, 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	Docket Number 46085-710.101

IN WITNESS WHEREOF, said Inventor(s) have executed and delivered this instrument to said Assignee as of the dates written below:

Date: 11/8/17 Jerod PTACIN

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)
County of San Diego)
On November 8, 2017 (Date) before me, Frances Marie Senchak (Here Insert Name and Title of the Officer),
personally appeared Jerod PTACIN (Name(s) of Signer(s)),
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

FRANCES MARIE SENCHAK
Commission # 2085573
Notary Public - California
San Diego County
My Comm. Expires Oct 16, 2018

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS ~~my hand~~ and official seal.

Signature Frances Marie Senchak
Signature of Notary Public

Place Notary Seal Above

Date: 11/8/2017 Carolina E. CAFFARO

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)
County of San Diego)
On November 8, 2017 (Date) before me, Frances Marie Senchak (Here Insert Name and Title of the Officer),
personally appeared Carolina E. CAFFARO (Name(s) of Signer(s)),
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

FRANCES MARIE SENCHAK
Commission # 2085573
Notary Public - California
San Diego County
My Comm. Expires Oct 16, 2018

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS ~~my hand~~ and official seal.

Signature Frances Marie Senchak
Signature of Notary Public

Place Notary Seal Above

RECEIVED AND AGREED TO BY ASSIGNEE:	Synthorx, Inc.
Date: November 9, 2017	Signature:
	Name/Title: Jay Lichter, CEO & President

UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

AUGUST 23, 2018

PTAS

UALE TAOTAFA, PH.D., ESQ.
650 PAGE MILL ROAD
WILSON SONSINI GOODRICH & ROSATI
PALO ALTO, CA 94304

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RECORDATION DATE: 08/22/2018 REEL/FRAME: 046669/0043
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

DOCKET NUMBER: 46085-710.601

ASSIGNOR:
PTACIN, JEROD DOC DATE: 07/26/2018

ASSIGNOR:
CAFFARO, CAROLINA E. DOC DATE: 07/26/2018

ASSIGNOR:
MILLA, MARCOS DOC DATE: 07/26/2018

ASSIGNEE:
SYNTHORX, INC.
11099 N. TORREY PINES ROAD
SUITE 290
LA JOLLA, CALIFORNIA 92037

APPLICATION NUMBER: FILING DATE: 08/03/2018
PATENT NUMBER: ISSUE DATE:
PCT NUMBER: US2018045257
TITLE: CYTOKINE CONJUGATES FOR THE TREATMENT OF PROLIFERATIVE AND INFECTIOUS DISEASES

ASSIGNMENT RECORDATION BRANCH
PUBLIC RECORDS DIVISION

PATENT ASSIGNMENT	Docket Number 46085-710.601

WHEREAS, the undersigned:

1. Jerod PTACIN
11099 N. Torrey Pines Rd.
Suite 290
La Jolla, CA 92037 (US)

2. Carolina E. CAFFARO
11099 N. Torrey Pines Rd.
Suite 290
La Jolla, CA 92037 (US)

3. Marcos Milla
11099 N. Torrey Pines Rd.
Suite 290
La Jolla, CA 92037 (US)

(hereinafter "Inventor(s)"), have invented certain new and useful improvements in

CYTOKINE CONJUGATES FOR THE TREATMENT OF PROLIFERATIVE AND INFECTIOUS DISEASES

☒ for which a PCT application will be filed on or before August 3, 2018 in the U.S. Receiving Office of the Patent Cooperation Treaty which will claim priority to U.S. 62/540,781.

(hereinafter, "Application(s)"). The term "Application(s)" also includes all patent applications that share or claim priority to or from the above application(s).

WHEREAS, SYNTHORX, INC., a corporation of the state of Delaware, having a place of business at 11099 N. Torrey Pines Rd., Suite 290, La Jolla, CA 92037 (US), (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said Application(s), and the inventions disclosed therein, and in and to all embodiments of the inventions, heretofore conceived, made or discovered, whether jointly or severally, by said Inventor(s) (hereinafter collectively referred to as "Inventions"), and in and to any and all patents, inventor's certificates and other forms of protection thereon granted 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 (hereinafter "Patent(s)").

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) do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said Inventions; (b) in and to said Applications, including the right to claim priority to and from said Application(s); (c) in and to each and every application that is a divisional, substitution, continuation, or continuation-in-part of any of said Application(s); (d) in and to said Patent(s) and each and every patent issuing or reissuing from any of the foregoing; (e) in and to each and every reissue, reexamination, renewal or extension of any kind of any of the foregoing; (f) in and to each and every patent and application filed outside the United States and corresponding to any of the foregoing; and (g) in and to all claims for past, present and future infringement of the Patent(s), 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 Patent(s).

2. 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 prosecuting any applications covering said Inventions; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said Inventions; (d) for filing and prosecuting applications for reissuance of any said Patent(s); (e) for interference or other priority proceedings involving said Inventions; and (f) for legal proceedings involving said Inventions and any applications therefor and any Patent(s) granted thereon, including without limitation reissues and reexaminations, opposition 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.

3. 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.

4. 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.

5. Said Inventor(s) hereby request that any Patent(s) issuing in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty, be issued 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 Number 46085-710.601

IN WITNESS WHEREOF, said Inventor(s) have executed and delivered this instrument to said Assignee as of the dates written below:

Date: 7/26/18 _____
Jerod PTACIN

Date: 7/26/18 _____
Carolina E. CAFFARO

Date: 7/26/18 _____
Marcos MILLA

RECEIVED AND AGREED TO BY ASSIGNEE: SYNTHORX, INC.

Date: 7/26/18 Signature: _____

Name: Laura Shawver, Ph.D.

Title: President & Chief Executive Officer