

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT7573804

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
TRUSTEES OF TUFTS COLLEGE	05/03/2018
RECEIVING PARTY DATA	
Name:	BACH BIOSCIENCES, LLC
Street Address:	75 CAMBRIDGE PARKWAY
Internal Address:	E609
City:	CAMBRIDGE
State/Country:	MASSACHUSETTS
Postal Code:	02142
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17653565
CORRESPONDENCE DATA	
Fax Number:	(913)451-0875
<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>	
Phone:	8573004003
Email:	tammy.dunkin@lathropgpm.com
Correspondent Name:	BRIAN C. TRINQUE, LATHROP GPM LLP
Address Line 1:	28 STATE STREET
Address Line 4:	BOSTON, MASSACHUSETTS 02109
ATTORNEY DOCKET NUMBER:	724309: AVT-090USCON4
NAME OF SUBMITTER:	TAMMY DUNKIN
SIGNATURE:	/Tammy Dunkin/
DATE SIGNED:	10/04/2022
Total Attachments: 8	
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ASSIGNMENT

WHEREAS, Trustees of Tufts College, whose address is Office of Technology and Industry Collaboration, 136 Harrison Avenue, 75K-401, Boston, Massachusetts 02111 ("*Assignor*"), is the owner of the entire right, title, and interest in and to: the patents and patent applications ("*Patents and Patent Applications*") and the invention disclosure ("*Invention*") listed in attached Exhibit A; and

WHEREAS, Bach Biosciences, LLC, whose address is (75 Cambridge Parkway, E609, Cambridge, MA 02142) ("*Assignee*"), is desirous of acquiring the entire right, title and interest in and to the Patents and Patent Applications, and the Inventions; and

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Assignor, intending to be legally bound does hereby assign and transfer to the Assignee the entire right, title and interest, in the Patents and Patent Applications, and the Inventions, including any and all reissues, continuations, divisionals, continuations-in-part and any other applications claiming priority to any of the patents or patent applications listed in Exhibit A and all rights to claim priority based thereon, all rights to file U.S., international, and foreign patent applications on the Inventions, and all letters patents and reissues thereof issuing for the Inventions in the U.S.A. and in any and all foreign countries, as fully and entirely as the same would have been held and enjoyed by Assignor if this Assignment had not been made; together with all income, royalties, damages or payments due or payable, including without limitation, all claims for damages by reason of past, present or future infringement or other unauthorized use of the Patents and Patent Applications and Inventions, with the right to sue for, and collect the same for its own use and enjoyment, and for the use and enjoyment of its successors, assigns, or other legal representatives (the "*Assignment*").

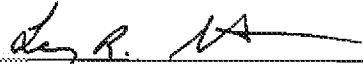
It is agreed that the Assignor shall be legally bound, upon reasonable request of the Assignee, or its successors, assigns or legal representatives, to supply information and evidence of which the undersigned has knowledge or possession, relating to the making

and practice of the Patents and Patent Applications and Inventions, to testify in any legal proceeding relating thereto, to execute all instruments proper to enforce and maintain the Patents, to prosecute the Patent Applications, or to pursue, obtain, or maintain patents related to or claiming the Inventions in the U.S.A. and foreign countries in the name of the Assignee, and to execute all instruments proper to carry out the intent of this instrument.

IN WITNESS WHEREOF, intending to be legally bound hereby, the Assignor and the Assignee have duly executed this Assignment.

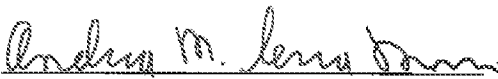
TRUSTEES OF TUFTS COLLEGE

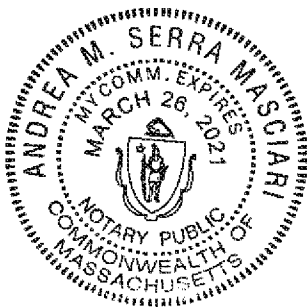
Dated: 5/3/18

By: 
Name: Larry R. Steranka
Title: Senior Director Tech Transfer

This 3rd day of May, 2018, before me personally came the before-mentioned known as the individual who executed the foregoing Assignment for TRUSTEES OF TUFTS COLLEGE, who acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed, and in the capacity therein set forth.

Witness my hand and Notarial seal the day and year immediately above-written.


Notary Public



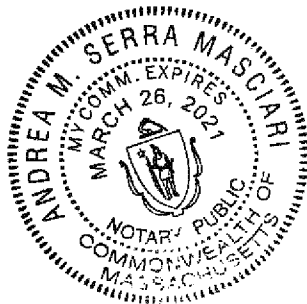
BACH BIOSCIENCES, LLC

Dated: 5 3 2018

By: *William W. Bachovchin*
Name: William W. Bachovchin
Title: President and CEO

This 3rd day of May, 2018, before me personally came the before-mentioned known as the individual who executed the foregoing Assignment for BACH BIOSCIENCES, LLC, who acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed, and in the capacity therein set forth.

Witness my hand and Notarial seal the day and year immediately above-written.



Andrea M. Serra Masciari
Notary Public

Exhibit A

Patents & Patent Applications

T001191				
<u>FH Ref.</u>	<u>Jurisdiction</u>	<u>Status</u>	<u>Appl. No.</u>	<u>Filing Date</u>
TUV-04401	US	Granted	10/847220	17-May-04
TUV-04402	US	Granted	11/842518	21-Aug-07
TUV-04403	US	Granted	13/205844	9-Aug-11
TUV-04404	US	Abandoned	14/808121	24-Jul-15
TUV-04425	WO	Nationalized	US04/015488	17-May-04
TUV-04428	CN	Abandoned	201110038847.5	17-May-04
TUV-04429	CN	Abandoned	200480019850.0	17-May-04
TUV-04430	JP	Abandoned	2006-533167	17-May-04
TUV-04440	AU	Abandoned	2004240630	17-May-04
TUV-04441	AU	Abandoned	2011200062	17-May-04
TUV-04450	CA	Abandoned	2525574	17-May-04
TUV-04451	CA	Abandoned	2888907	17-May-04
TUV-04454	HK	Abandoned	6110071.5	17-May-04
TUV-04460	US	Expired	60/471411	15-May-03
TUV-04461	US	Expired	60/911618	13-Apr-07
TUV-04465	IL	Abandoned	171854	17-May-04
TUV-04466	IL	Abandoned	232501	17-May-04
TUV-04480	EP	Abandoned	4752496.2	17-May-04
TUV-04484	FR	Abandoned	4752496.2	17-May-04

TUV-04485	DE	Abandoned	4752496.2	17-May-04
TUV-04487	IT	Abandoned	4752496.2	17-May-04
TUV-04488	IE	Abandoned	4752496.2	17-May-04
TUV-04493	ES	Abandoned	4752496.2	17-May-04
TUV-04494	SE	Abandoned	4752496.2	17-May-04
TUV-04495	CH	Abandoned	4752496.2	17-May-04
TUV-04496	GB	Abandoned	4752496.2	17-May-04
T001139				
<u>FH Ref.</u>	<u>Jurisdiction</u>	<u>Status</u>	<u>Appl. No.</u>	<u>Filing Date</u>
TUV-04501	US	Granted	10/496706	25-May-04
TUV-04502	US	Abandoned	12/791517	1-Jun-10
TUV-04503	US	Granted	15/043110	12-Feb-16
TUV-04504	US	Published	15/626254	19-Jun-17
TUV-04525	WO	Nationalized	US02/038053	26-Nov-02
TUV-04530	JP	Abandoned	2003-547426	26-Nov-02
TUV-04531	JP	Abandoned	2011-045147	26-Nov-02
TUV-04532	JP	Abandoned	2014-033295	26-Nov-02
TUV-04540	AU	Abandoned	2002357767	3-Jun-04
TUV-04550	CA	Abandoned	2468192	26-Nov-02
TUV-04551	CA	Abandoned	2837936	26-Nov-02
TUV-04560	US	Expired	60/333519	26-Nov-01
TUV-04561	US	Expired	60/405530	23-Aug-02
TUV-04580	EP	Abandoned	2792306.9	25-Jun-04
TUV-04597	EP	Abandoned	10011373.7	29-Sep-10
T001182				
<u>FH Ref.</u>	<u>Jurisdiction</u>	<u>Status</u>	<u>Appl. No.</u>	<u>Filing Date</u>
TUV-04701	US	Granted	10/512213	29-Aug-05
TUV-04702	US	Abandoned	12/568210	28-Sep-09
TUV-04703	US	Granted	13/784087	4-Mar-13
TUV-04704	US	Published	15/458191	14-Mar-17
TUV-04725	WO	Nationalized	US03/013561	30-Apr-03
TUV-04730	JP	Abandoned	2004-500790	30-Apr-03
TUV-04731	JP	Abandoned	2012-211523	30-Apr-03
TUV-04740	AU	Abandoned	2003228793	30-Apr-03
TUV-04750	CA	Abandoned	2484551	30-Apr-03
TUV-04754	HK	Abandoned	5106367.7	30-Apr-03
TUV-04760	US	Expired	60/376636	30-Apr-02
TUV-04780	EP	Abandoned	3726564.2	30-Apr-03
TUV-04797	EP	Abandoned	9012951.1	30-Apr-03
TUV-04798	EP	Abandoned	10011375.2	30-Apr-03

T001293				
<u>FH Ref.</u>	<u>Jurisdiction</u>	<u>Status</u>	<u>Appl. No.</u>	<u>Filing Date</u>
TUV-05101	US	Granted	11/994707	5-Jul-06
TUV-05102	US	Abandoned	13/177268	6-Jul-11
TUV-05125	WO	Nationalized	US06/026258	5-Jul-06
TUV-05129	CN	Abandoned	200680030771.9	5-Jul-06
TUV-05130	JP	Abandoned	2008-520373	5-Jul-06
TUV-05131	JP	Abandoned	2012-33777	5-Jul-06
TUV-05135	KR	Abandoned	10-2008-7002781	5-Jul-06
TUV-05140	AU	Abandoned	2006264305	5-Jul-06
TUV-05150	CA	Abandoned	2613795	5-Jul-06
TUV-05155	MX	Abandoned	MX/a/2008/000318	5-Jul-06
TUV-05156	BR	Abandoned	PI0612607-3	5-Jul-06
TUV-05160	US	Expired	60/584581	1-Jul-04
TUV-05161	US	Expired	60/696772	5-Jul-05
TUV-05165	IL	Abandoned	188327	5-Jul-06
TUV-05166	IL	Abandoned	217579	5-Jul-06
TUV-05168	IN	Abandoned	602/CHENP/2008	5-Jul-06
TUV-05180	EP	Abandoned	6786415.7	5-Jul-06
TUV-05199	NO	Abandoned	20080626	5-Jul-06
T001350				
<u>FH Ref.</u>	<u>Jurisdiction</u>	<u>Status</u>	<u>Appl. No.</u>	<u>Filing Date</u>
TUV-05301	US	Granted	12/066324	7-Sep-06
TUV-05325	WO	Nationalized	US06/034685	7-Sep-06
TUV-05329	CN	Abandoned	200680033105.0	7-Sep-06
TUV-05330	JP	Abandoned	2008-530161	7-Sep-06
TUV-05335	KR	Abandoned	10-2008-7008178	7-Sep-06
TUV-05340	AU	Abandoned	2006287562	7-Sep-06
TUV-05350	CA	Abandoned	2621699	7-Sep-06
TUV-05355	MX	Abandoned	MX/a/2008/003293	7-Sep-06
TUV-05356	BR	Abandoned	PI0615573-1	7-Sep-06
TUV-05360	US	Expired	60/715322	8-Sep-05
TUV-05365	IL	Abandoned	189996	7-Sep-06
TUV-05368	IN	Abandoned	1758/CHEN/2008	7-Sep-06
TUV-05380	EP	Abandoned	6814219.9	7-Sep-06
TUV-05397	EP	Abandoned	11194831.1	7-Sep-06
TUV-05399	NO	Abandoned	20081654	7-Sep-06
T001384				
<u>FH Ref.</u>	<u>Jurisdiction</u>	<u>Status</u>	<u>Appl. No.</u>	<u>Filing Date</u>
TUV-05401	US	Granted	12/096876	15-Dec-06

TUV-05402	US	Granted	13/617790	14-Sep-12
TUV-05403	US	Granted	14/041201	30-Sep-13
TUV-05404	US	Granted	14/572015	16-Dec-14
TUV-05405	US	Abandoned	14/932560	4-Nov-15
TUV-05425	WO	Nationalized	US06/047853	15-Dec-06
TUV-05429	CN	Abandoned	200680052936.2	15-Dec-06
TUV-05430	JP	Abandoned	2008-547342	15-Dec-06
TUV-05435	KR	Abandoned	10-2008-7017430	15-Dec-06
TUV-05436	KR	Abandoned	10-2014-7024336	15-Dec-06
TUV-05440	AU	Abandoned	2006339348	15-Dec-06
TUV-05450	CA	Abandoned	2633803	15-Dec-06
TUV-05455	MX	Abandoned	MX/a/2008/007934	15-Dec-06
TUV-05456	BR	Abandoned	PI0620027-3	15-Dec-06
TUV-05460	US	Expired	60/752017	19-Dec-05
TUV-05461	US	Expired	61/156246	27-Feb-09
TUV-05465	IL	Abandoned	192134	15-Dec-06
TUV-05466	IL	Abandoned	222654	15-Dec-06
TUV-05468	IN	Abandoned	3666/CHENP/2008	15-Dec-06
TUV-05480	EP	Abandoned	6849964.9	15-Dec-06
TUV-05499	NO	Abandoned	20083216	15-Dec-06
TUV-15401	US	Granted	13/203651	1-Mar-10
TUV-15425	WO	Nationalized	US10/025771	1-Mar-10
TUV-15430	JP	Abandoned	2011-552221	1-Mar-10
TUV-15440	AU	Abandoned	2010217737	1-Mar-10
TUV-15450	CA	Abandoned	2753884	1-Mar-10
TUV-15480	EP	Granted	10746977.7	1-Mar-10
TUV-15484	FR	Granted	10746977.7	1-Mar-10
TUV-15485	DE	Granted	10746977.7	1-Mar-10
TUV-15488	IE	Granted	10746977.7	22-Sep-11
TUV-15495	CH	Granted	10746977.7	22-Sep-11
TUV-15496	GB	Granted	10746977.7	1-Mar-10
T001579				
FH Ref.	Jurisdiction	Status	Appl. No.	Filing Date
TUV-06860	US	Expired	61/153776	19-Feb-09
TUV-06861	US	Expired	61/306700	22-Feb-10
TUV-06862	US	Expired	61/463787	23-Feb-11
TUV-06863	US	Expired	61/683003	14-Aug-12
TUV-06864	US	Expired	61/866114	15-Aug-13
TUV-06865	US	Expired	62/038533	18-Aug-14

T001849				
<u>FH Ref.</u>	<u>Jurisdiction</u>	<u>Status</u>	<u>Appl. No.</u>	<u>Filing Date</u>
TUV-08125	WO	Published	US17/029407	25-Apr-17
TUV-08160	US	Expired	61/718265	25-Oct-12
TUV-08161	US	Expired	61/896228	28-Oct-13
TUV-08162	US	Expired	62/327240	25-Apr-16
T002000				
<u>FH Ref.</u>	<u>Jurisdiction</u>	<u>Status</u>	<u>Appl. No.</u>	<u>Filing Date</u>
TUV-09001	US	Published	15/318627	15-Jun-15
TUV-09002	US	Granted	15/318607	13-Dec-16
TUV-09003	US	Allowed	15/655317	20-Jul-17
TUV-09025	WO	Nationalized	US15/035798	15-Jun-15
TUV-09026	WO	Nationalized	US15/035800	15-Jun-15
TUV-09029	CN	Published	201580043350.9	13-Feb-17
TUV-09030	JP	Published	2016-572687	12-Dec-16
TUV-09050	CA	Published	2952051	12-Dec-16
TUV-09054	HK	Published	17109290.9	13-Sep-17
TUV-09060	US	Expired	62/011989	13-Jun-14
TUV-09061	US	Expired	62/012003	13-Jun-14
TUV-09062	US	Expired	62/051033	16-Sep-14
TUV-09065	IL	Pending	249370	4-Dec-16
TUV-09080	EP	Published	15807049	9-Jan-17