

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ESBATECH, A NOVARTIS COMPANY LLC	10/09/2017
RECEIVING PARTY DATA	
Name:	Novartis AG
Street Address:	Lichtstrasse 35
City:	Basel
State/Country:	SWITZERLAND
Postal Code:	4056
PROPERTY NUMBERS Total: 12	
Property Type	Number
Patent Number:	8227199
Patent Number:	8349322
Patent Number:	9090684
Patent Number:	9873737
Application Number:	61133212
Patent Number:	8673310
Patent Number:	8936785
Patent Number:	8697074
Patent Number:	8545849
Application Number:	13655743
Patent Number:	9873736
Patent Number:	10093726
CORRESPONDENCE DATA	
Fax Number:	(973)781-8064
<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:	862-778-5957
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Correspondent Name:	NOVARTIS PHARMACEUTICALS CORPORATION
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PATENT

Address Line 4: EAST HANOVER, NEW JERSEY 07936	
ATTORNEY DOCKET NUMBER:	PAT903793,ETC
NAME OF SUBMITTER:	SHERRI ROSE
SIGNATURE:	/Sherri Rose/
DATE SIGNED:	12/13/2018
Total Attachments: 16 source=Assignment_ESBATechToNovAG#page1.tif source=Assignment_ESBATechToNovAG#page2.tif source=Assignment_ESBATechToNovAG#page3.tif source=Assignment_ESBATechToNovAG#page4.tif source=Assignment_ESBATechToNovAG#page5.tif source=Assignment_ESBATechToNovAG#page6.tif source=Assignment_ESBATechToNovAG#page7.tif source=Assignment_ESBATechToNovAG#page8.tif source=Assignment_ESBATechToNovAG#page9.tif source=Assignment_ESBATechToNovAG#page10.tif source=Assignment_ESBATechToNovAG#page11.tif source=Assignment_ESBATechToNovAG#page12.tif source=Assignment_ESBATechToNovAG#page13.tif source=Assignment_ESBATechToNovAG#page14.tif source=Assignment_ESBATechToNovAG#page15.tif source=Assignment_ESBATechToNovAG#page16.tif	

ASSIGNMENT

This Assignment Agreement is entered into by and between ESBATech, a Novartis Company LLC (hereinafter "ESBATech") formerly of Wagistrasse 12, 8952 Schlieren, Switzerland (see attached Commercial Register for former names and current domicile information), a company organized under the laws of Switzerland, and NOVARTIS AG, a company incorporated in Switzerland whose address is Lichtstrasse 35, 4056 Basel, Switzerland.

For good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, ESBATech does hereby sell, assign and transfer to NOVARTIS AG and its successors, assigns and legal representatives (hereinafter referred to collectively as the "ASSIGNEE"), all of its right, title and interest for all countries of the world in and to

(1) all inventions and discoveries described in the provisional and non-provisional patent applications and patents entitled

SEE ATTACHED SCHEDULE

(2) the patents and applications identified in paragraph (1), and all patents and applications claiming priority from such patents and applications, directly or indirectly, including all national stages of any international patent and patent applications;

(3) the right to file patent, utility model, or other applications on any invention or discovery disclosed in any of the patents and applications identified in paragraphs (1) and (2), including the right to file such applications on said inventions and discoveries in the names of ASSIGNEE or their designees, or on behalf or in the name(s) of the inventor(s) of said inventions and discoveries, at ASSIGNEE's election and in accordance with applicable law in all countries and regions; and the right to file all patent, utility model, or other applications in all countries and regions claiming the priority of any of the provisional or non-provisional application(s) identified in paragraphs (1) or (2);

(4) all rights to claim priority from any of the patents and applications referred to in paragraphs (1), (2), and (3) or from any patent or application from which any of the patents and applications referred to in paragraphs (1), (2) and (3) claim priority in all countries and regions under the Paris Convention for the Protection of Industrial Property, the WTO GATT TRIPS Agreement, the Inter-American Convention relating to Inventions, Patents, Designs, and Industrial Models and all other international agreements to which the United States now is or hereafter becomes a signatory and, if the United States patent application is a provisional patent application, under 35 USC 119(e);

(5) all continuations, continuations-in-part, and divisionals of any United States patent application(s) or international patent application(s) designating the United States, any national stages of any international application(s), and any other patent application(s) described in

paragraphs (1) through (4) hereof, including further continuations, continuations-in-part, and divisionals such as, but not limited to, continuations of continuations and continuations of divisionals;

(6) all patents, utility models, or other grants that issue from any of the applications referred to herein and all rights and remedies associated therewith including the right to sue for and recover past damages and to recover under 35 U.S.C. § 154 (d) or any other law permitting remedies for infringement prior to issuance of the patent;

(7) all registrations and confirmations of, and importation certificates based upon, one or more of said patents, utility models, or other grants, and applications for such registrations, confirmations and importation certificates and;

(8) all reissues, renewals and extensions of said patents, utility models, registrations, confirmations and importation certificates, reexamination certificates issued for said patents and supplementary protection certificates based upon said patents and applications for such reissues, renewals, extensions, reexamination certificates and supplementary protection certificates, the same to be held and enjoyed by said ASSIGNEE to the full ends of the terms for which said patents, utility models, registrations, confirmations, importation certificates, reexamination certificates, supplementary protection certificates, reissues, renewals and extensions may be granted, as fully and entirely as the same would have been held and enjoyed ESBATech if this sale, assignment and transfer had not been made.

ESBATech hereby authorizes ASSIGNEE and their representatives to insert in paragraph (1) of this Assignment the filing date(s) and Application Number(s) of said patent, utility model, or other application(s) when notified thereof.

ESBATech hereby covenants and agrees that it will, at any time, (i) upon the request, but at the expense, of ASSIGNEE, execute and deliver all documents that may be necessary or desirable to perfect the title to the foregoing inventions and discoveries, applications, patents, utility models, registrations, confirmations, importation certificates, reissues, renewals, extensions, reexamination certificates, supplementary protection certificates, and applications within the scope of (7) and (8), in ASSIGNEE, including the execution and procurement of all further documents evidencing this sale, assignment and transfer as may be necessary or desirable for recording the same in the patent office or other intellectual property office, agency or the like of any country or region, (ii) upon the request, but at the expense, of ASSIGNEE execute all additional applications within the scope of paragraphs (1) through (6) and all applications within the scope of (7) or (8), and (iii) make all rightful oaths and declarations and do all lawful acts requisite for procuring the same or for aiding therein, without further compensation, but at the expense of ASSIGNEE.

Should any provision of this Assignment be deemed invalid or unenforceable by reason of any law, statute, regulation or judgment, existing now or in the future in any jurisdiction, such provision shall be modified in such jurisdiction so as to nearly approximate the intent of the Parties. If this cannot be done, such invalid or unenforceable provision shall be divisible and be deleted in any such jurisdiction, and all other provisions shall remain in full force and effect.

The modification or deletion of any provision in one jurisdiction shall have no effect on this Assignment in any other jurisdiction.

This Assignment shall be governed by the laws of Switzerland.

This Assignment is effective as from the earliest priority date as stated above.

Executed this 9th day of October, 2017.

ESBATEch, a Novartis Company LLC

BY

Patrik Maurer
Patrik Maurer, Head of Discovery Technologies

BY

Simone Pfirter
Simone Pfirter, Head NIBR General Legal Europe

Witness

Print Name:

Sabine Zeller
Sabine Zeller
Lichtstrasse 35
4056 Basel
Switzerland

Witness

Print Name:

GINA KASIA MARS

Executed this _____ day of _____, 2017.

NOVARTIS AG

BY

Diana S. Brugnera
Diana S. Brugnera
Authorized signatory

BY

Giulia Ceccarelli

GIULIA CECCARELLI
AUTHORIZED SIGNATORY

Witness

Print Name:

Sabine Zeller
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Witness

Print Name:

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Switzerland

SCHEDULE

Novartis reference	Country	Date	Number
PAT903763-US-DIV	US	23 Jun 2017	2015-0080555
PAT903763-US-NP	US	05 Aug 2014	8796425
PAT903763-US-PSP	US	23 Dec 2010	61/289446
PAT903769-US-PCT	US	16 Nov 2010	7833703

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PAT903772-US-PCT		07 Oct 2014		8853362	
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PAT903772-US-PCTD02		20 Apr 2017		2017-0107272	
PAT903779-US-PSP		22 May 2002		60/382774	
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PAT903797-US-PSP87	US	19 Sep 2008	61/079696
PAT903797-US-PSP88	US	20 Sep 2008	61/079740
PAT903797-US-PSP89	US	21 Sep 2008	61/079784
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