

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6268599

| | |
|---|---------------------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| JENNIFER FRUEH | 05/18/2020 |
| EFFIE POURNARA | 06/04/2020 |
| RECEIVING PARTY DATA | |
| Name: | NOVARTIS AG |
| Street Address: | LICHTSTRASSE 35 |
| City: | BASEL |
| State/Country: | SWITZERLAND |
| Postal Code: | 4056 |
| PROPERTY NUMBERS Total: 4 | |
| Property Type | Number |
| Application Number: | 29716209 |
| Application Number: | 29716210 |
| Application Number: | 29716211 |
| Application Number: | 29716212 |
| CORRESPONDENCE DATA | |
| Fax Number: | (971)271-8021 |
| <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: | 9712718020 |
| Email: | foreigninbound@mccrus.com |
| Correspondent Name: | MCCOY RUSSELL LLP |
| Address Line 1: | 806 SW BROADWAY SUITE 600 |
| Address Line 4: | PORTLAND, OREGON 97205 |
| ATTORNEY DOCKET NUMBER: | GRU19320D |
| NAME OF SUBMITTER: | LUKAS MCNETT |
| SIGNATURE: | /Lukas McNett/ |
| DATE SIGNED: | 08/26/2020 |
| Total Attachments: 15 | |
| source=Assignment_GRU19320#page1.tif | |

source=Assignment_GRU19320#page2.tif
source=Assignment_GRU19320#page3.tif
source=Assignment_GRU19320#page4.tif
source=Assignment_GRU19320#page5.tif
source=Assignment_GRU19320#page6.tif
source=Assignment_GRU19320#page7.tif
source=Assignment_GRU19320#page8.tif
source=Assignment_GRU19320#page9.tif
source=Assignment_GRU19320#page10.tif
source=Assignment_GRU19320#page11.tif
source=Assignment_GRU19320#page12.tif
source=Assignment_GRU19320#page13.tif
source=Assignment_GRU19320#page14.tif
source=Assignment_GRU19320#page15.tif

ASSIGNMENT

This Assignment Agreement is entered into by and between:

| | | |
|----------------|--------------------|--|
| Jennifer FRUEH | citizen of Germany | Novartis Pharma AG, Postfach, 4002, Basel, Switzerland |
| Effie POURNARA | citizen of | Novartis Pharma AG, Postfach, 4002, Basel, Switzerland |

(hereinafter "Inventor(s)").

and **NOVARTIS PHARMA AG, POSTFACH, Basel, 4002 Switzerland**, a company organized under the laws of Switzerland.

For good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, I/We the Inventor(s) do hereby confirm and agree that, by operation of law and/or contract, and/or by the fulfillment of any and all legal requirements regarding the transfer of employee inventions in my/our country of employment, **NOVARTIS PHARMA AG** is the true and lawful owner of all right, title and interest in all inventions, discoveries, patents/utility models, applications, and rights described in paragraphs (1) through (8) below.

If, however, under the laws of any country, I/We the Inventor(s) nevertheless have any ownership right, title or interest in any of the items described herein (which I/We do not believe to be the case and make no claim in or to), for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, I/We the Inventor(s) do hereby sell, assign and transfer to **NOVARTIS PHARMA AG** and its successors, assigns and legal representatives (hereinafter referred to collectively as the "ASSIGNEE"), all of my/our right, title and interest for all countries of the world in and to

(1) all of my/our inventions and discoveries described in the provisional or non-provisional patent, utility model, or other application(s) entitled

**GRAPHICAL USER INTERFACES / INTERFACES FOR A DISPLAY SCREEN/
SCREEN DISPLAYS (PART OF-) / COMPUTER WITH PATIENT DATA
VISUALIZATION FUNCTION / DISPLAY SCREEN WITH GRAPHICAL INTERFACE**

and filed in the European Union Intellectual Office on 7 June 2019 and accorded Application Number 006568960:

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

(3) the right to file patent, utility model, or other applications on any invention or discovery disclosed in any of the 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 in our/my name, 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 applications referred to in paragraphs (1), (2), and (3) or from any application from which any of the 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 by me/us if this sale, assignment and transfer had not been made.

I/We the Inventor(s) hereby authorize 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.

I/We the Inventor(s) hereby covenant and agree that I/We 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 is effective as from the earliest priority date as stated above.

Executed this 18 day of May, 2020.

Jennifer FRUEH

Inventor Name:

Witness: _____

Printed Name:

City, State and Country:

Witness: _____

Printed Name:

City, State and Country:

Executed this _____ day of _____, 20_____.

Effie POURNARA

Inventor Name:

Witness: _____

Printed Name:

City, State and Country:

Witness: _____

Printed Name:

City, State and Country:

Executed this 4 day of June, 2020.

NOVARTIS PHARMA AG

BY C Stark

Printed Name:

Authorized Signatory

Cornelia Stark

Authorized Signatory

Witness: Christina Lanz

Printed Name:

City, State and Country:

Lichtstrasse 35
4056 Basel
Switzerland

Witness: ADELE HOGGE

Printed Name:

City, State and Country:

Lichtstrasse 35
4056 Basel
Switzerland

Executed this 06 day of June 2020 .

NOVARTIS PHARMA AG

BY Giulia Ceccarelli
Printed Name:
Authorized Signatory

GIULIA CECCARELLI
AUTHORIZED SIGNATORY

Witness: Christina Lanz
Printed Name:
City, State and Country:

Lichtstrasse 35
4056 Basel
Switzerland

Witness: Adele Hogg
Printed Name:
City, State and Country:

Lichtstrasse 35
4056 Basel
Switzerland

ASSIGNMENT

This Assignment Agreement is entered into by and between:

| | | |
|----------------|-------------------|--|
| Jennifer FRUEH | citizen of | Novartis Pharma AG, Postfach, 4002, Basel, Switzerland |
| Effe POURNARA | citizen of Greece | Novartis Pharma AG, Postfach, 4002, Basel, Switzerland |

(hereinafter "Inventor(s)"),

and **NOVARTIS PHARMA AG**, POSTFACH, Basel, 4002 Switzerland, a company organized under the laws of Switzerland.

For good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, I/We the Inventor(s) do hereby confirm and agree that, by operation of law and/or contract, and/or by the fulfillment of any and all legal requirements regarding the transfer of employee inventions in my/our country of employment, **NOVARTIS PHARMA AG** is the true and lawful owner of all right, title and interest in all inventions, discoveries, patents/utility models, applications, and rights described in paragraphs (1) through (8) below.

If, however, under the laws of any country, I/We the Inventor(s) nevertheless have any ownership right, title or interest in any of the items described herein (which I/We do not believe to be the case and make no claim in or to), for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, I/We the Inventor(s) do hereby sell, assign and transfer to **NOVARTIS PHARMA AG** and its successors, assigns and legal representatives (hereinafter referred to collectively as the "ASSIGNEE"), all of my/our right, title and interest for all countries of the world in and to

(1) all of my/our inventions and discoveries described in the provisional or non-provisional patent, utility model, or other application(s) entitled

**GRAPHICAL USER INTERFACES / INTERFACES FOR A DISPLAY SCREEN/
SCREEN DISPLAYS (PART OF-) / COMPUTER WITH PATIENT DATA
VISUALIZATION FUNCTION / DISPLAY SCREEN WITH GRAPHICAL INTERFACE**

and filed in the European Union Intellectual Office on 7 June 2019 and accorded Application Number 006568960;

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

(3) the right to file patent, utility model, or other applications on any invention or discovery disclosed in any of the 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 in our/my name, 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 applications referred to in paragraphs (1), (2), and (3) or from any application from which any of the 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 by me/us if this sale, assignment and transfer had not been made.

I/We the Inventor(s) hereby authorize 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.

I/We the Inventor(s) hereby covenant and agree that I/We 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 is effective as from the earliest priority date as stated above.

Executed this _____ day of _____, 20_____.

Jennifer FRUEH

Inventor Name:

Witness: _____

Printed Name:

City, State and Country:

Witness: _____

Printed Name:

City, State and Country:

Executed this 19 day of May, 2020.

Effie POURNARA

Inventor Name:

Witness:

Printed Name:

City, State and Country:

Witness:

Printed Name:

City, State and Country:

Executed this 4 day of June, 2020.

NOVARTIS PHARMA AG

BY

Printed Name:

Authorized Signatory

Cornelia Stark

Authorized Signatory

Witness:

Printed Name:

City, State and Country:

Lichtstrasse 35
4056 Basel
Switzerland

Witness:

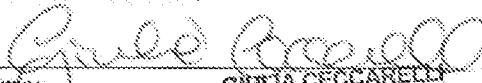
Printed Name:

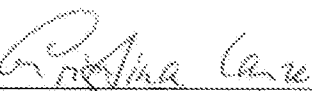
City, State and Country:

Lichtstrasse 35
4056 Basel
Switzerland

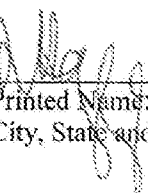
Executed this 01 day of June, 2010.

NOVARTIS PHARMA AG

BY 
Printed Name: GIULIA CECCARELLI
Authorized Signatory AUTHORIZED SIGNATORY

Witness: 
Printed Name: Christina Lane
City, State and Country: _____

Lichtstrasse 35
4056 Basel
Switzerland

Witness:  ADELE HOGGE
Printed Name: _____
City, State and Country: _____

Lichtstrasse 35
4056 Basel
Switzerland

ASSIGNMENT

This Assignment Agreement is entered into by and between **NOVARTIS PHARMA AG**, POSTFACH, Basel, 4002 Switzerland, 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, **NOVARTIS PHARMA AG** 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 or non-provisional patent application(s) entitled

**GRAPHICAL USER INTERFACES / INTERFACES FOR A DISPLAY SCREEN/
SCREEN DISPLAYS (PART OF-) / COMPUTER WITH PATIENT DATA
VISUALIZATION FUNCTION / DISPLAY SCREEN WITH GRAPHICAL INTERFACE**
and filed in the European Union Intellectual Office on 7 June 2019 and accorded Application Number 006568960;

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

(3) the right to file patent, utility model, or other applications on any invention or discovery disclosed in any of the 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 applications referred to in paragraphs (1), (2), and (3) or from any application from which any of the 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 by **NOVARTIS PHARMA AG** if this sale, assignment and transfer had not been made.

NOVARTIS PHARMA AG 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.

NOVARTIS PHARMA AG 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 4 day of June, 2020.

NOVARTIS PHARMA AG

BY

Printed Name:

Authorized Signatory

Cornelia Stark

Authorized Signatory

Witness:

Printed Name:

City, State and Country:

Lichtstrasse 35
4056 Basel
Switzerland

Witness:

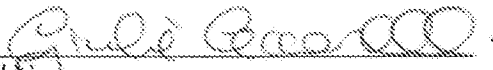
Printed Name:


City, State and Country:

Lichtstrasse 35
4056 Basel
Switzerland

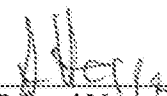
Executed this 06 day of June, 2020.

NOVARTIS PHARMA AG

BY 
Printed Name: GIULIA CECCARELLI
Authorized Signatory AUTHORIZED SIGNATORY

Witness: 
Printed Name: Christina Lanze
City, State and Country:

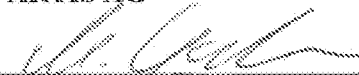
Lichtstrasse 35
4056 Basel
Switzerland


Witness:  ADELE HOGGE
Printed Name:
City, State and Country:

Lichtstrasse 35
4056 Basel
Switzerland

Executed this 06 day of June, 2020.

NOVARTIS AG

BY 
Printed Name: Markus Gruber
Authorized Signatory

Witness: 
Printed Name: Christina Lanze
City, State and Country:

Lichtstrasse 35
4056 Basel
Switzerland

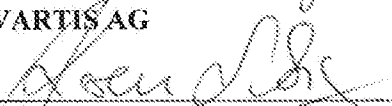
Witness:  ADELE HOGGE
Printed Name:
City, State and Country:

Lichtstrasse 35
4056 Basel
Switzerland

Executed this 4 day of June, 2020.

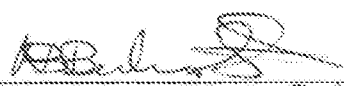
NOVARTIS AG

BY


Printed Name: Karen Tatzig

Authorized Signatory

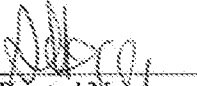
Witness:


Printed Name: Nicole Bubenda

City, State and Country:

Lichtstrasse 35
4056 Basel
Switzerland

Witness:


Printed Name: ADELE HOGG

City, State and Country:

Lichtstrasse 35
4056 Basel
Switzerland