

PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

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|---|-----------------------------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| STUART ALEXANDER COOK | 10/17/2019 |
| SEBASTIAN SCHAEFER | 11/21/2019 |
| RECEIVING PARTY DATA | |
| Name: | NATIONAL UNIVERSITY OF SINGAPORE |
| Street Address: | 21 LOWER KENT RIDGE ROAD |
| City: | SINGAPORE |
| State/Country: | SINGAPORE |
| Postal Code: | 119077 |
| Name: | SINGAPORE HEALTH SERVICES PTE LTD |
| Street Address: | 31 THIRD HOSPITAL AVENUE |
| Internal Address: | #03-03 BOWYER BLOCK C |
| City: | SINGAPORE |
| State/Country: | SINGAPORE |
| Postal Code: | 168753 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 16798101 |
| CORRESPONDENCE DATA | |
| Fax Number: | (617)646-8646 |
| <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: | 6176468000 |
| Email: | Assignments@wolfgreenfield.com |
| Correspondent Name: | JOSHUA BRANDT |
| Address Line 1: | WOLF, GREENFIELD & SACKS, P.C. |
| Address Line 2: | 600 ATLANTIC AVENUE |
| Address Line 4: | BOSTON, MASSACHUSETTS 02210 |
| ATTORNEY DOCKET NUMBER: | E0601.70008US00 |
| NAME OF SUBMITTER: | JOSHUA M. BRANDT |

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|---|--------------------|
| SIGNATURE: | /Joshua M. Brandt/ |
| DATE SIGNED: | 12/31/2020 |
| Total Attachments: 13 source=E060170008US00-ASI-JOB#page1.tif source=E060170008US00-ASI-JOB#page2.tif source=E060170008US00-ASI-JOB#page3.tif source=E060170008US00-ASI-JOB#page4.tif source=E060170008US00-ASI-JOB#page5.tif source=E060170008US00-ASI-JOB#page6.tif source=E060170008US00-ASI-JOB#page7.tif source=E060170008US00-ASI-JOB#page8.tif source=E060170008US00-ASI-JOB#page9.tif source=E060170008US00-ASI-JOB#page10.tif source=E060170008US00-ASI-JOB#page11.tif source=E060170008US00-ASI-JOB#page12.tif source=E060170008US00-ASI-JOB#page13.tif | |

ASSIGNMENT OF INVENTION & PATENT RIGHTS

Parties

- (1) **COOK, STUART ALEXANDER** of 6 Sunset Square, Clementi Park, 597304 Singapore, Singapore (the "Inventor");
- (2) **NATIONAL UNIVERSITY OF SINGAPORE** a company incorporated under the laws of Singapore, with CRN/UEN: 200604346E and whose registered office is at 21 Lower Kent Ridge Road, 119077 Singapore ("NUS"); and
- (3) **SINGAPORE HEALTH SERVICES PTE LTD** incorporated and registered in Singapore with CRN/UEN: 200002698Z and whose registered office is at 31 Third Hospital Avenue, #03-03, Bowyer Block C, 168753 Singapore, Singapore ("SingHealth").

Each of NUS and SingHealth an "Employer" and together the "Employers" as the context may indicate.

Background

- A. The Inventor and the Employers believe that, either by operation of law, Intellectual Property Policy or by virtue of an agreement entered into by the Inventor and the Employers before the making of the invention, the Employers were, at the time the invention was made, jointly entitled to an equal share in the property in the contributions of the Inventor to the invention.
- B. In order to ensure, and to provide documentary evidence that NUS and SingHealth are the joint owners of the legal and beneficial interest in all the rights, title and interest in, to and arising from the invention and the Patent Applications, the parties have agreed to execute this Assignment.

Agreed terms

1. Definitions

The definitions in this clause apply in this Assignment.

"**Invention**" means the invention entitled TREATMENT OF KIDNEY INJURY being the subject matter of the Priority Application.

"**Patent Applications**" means the Priority Application and any future applications claiming priority from the Priority Application and all matter contained in such future applications, including (without limitation):

- (a) international, national and regional phase applications of all such applications; and
- (b) divisions, continuations and continuations-in-part of all such applications; and

- (c) patents that may be granted pursuant to any of the aforesaid applications for their full period, including any re-issues, re-examinations, renewals, extensions and Supplementary Protection Certificates.

"Priority Application" means the priority patent applications, short particulars of which are set out in Part 1 of the Schedule.

2. Assignment

In consideration of the sum of S\$ 1 SGD (sufficiency and receipt of which the Inventor expressly acknowledges), the inventor hereby assigns jointly and absolutely to the Employers all his right, title and interest in all countries, regions and territories of the world in, to and arising from the Invention and, with effect from immediately prior to the filing of each, the Patent Applications, including (but not limited to):

- (a) in respect of the Invention and any invention that shall be disclosed in, and all matter that shall be contained in, any of the Patent Applications, the right to file applications, claim priority from such applications, and prosecute and obtain grant of patent or other intellectual property protection in respect of any country, region or territory in the world;
- (b) in respect of each and any Patent Application:
 - (i) the right to claim priority from and to prosecute and obtain grant of patents; and
 - (ii) the right to file divisional applications based on the Patent Applications and to prosecute and obtain grant of patent on each and any such divisional application;
- (c) the right to extend to, or register in or in respect of any country, region or territory in the world, each and any of the Patent Applications and to extend to or register in, or in respect of, any country, region or territory in the world any patent or other intellectual property protection granted on any of such applications;
- (d) the absolute entitlement to any patents granted pursuant to any Patent Applications; and
- (e) the right to bring, make, oppose or defend claims or actions, appeal proceedings and obtain relief (and to retain any damages recovered) in respect of any infringement, or any other cause of action arising from ownership, of the Inventions and the Patent Applications, whether occurring before on or after the date of this Assignment.

3. Further assurance

The Inventor shall, at the shared cost of the Employers, perform all further acts and things, and execute all further documents, required by law or which the Employers request to vest in the Employers the full benefit of the right, title and interest assigned to the Employers under this Assignment, including (but not limited to):

- (a) documents required to be signed by or on behalf of the Inventor, or the Employers in the course of any applications which relate to the Invention or to any inventions that shall be disclosed in any of the Patent Applications;

- (b) registration of the Employers as joint proprietors of, the Patent Applications; and
- (c) assisting the Employers in obtaining, defending and enforcing any of the Patent Applications, and assisting with any other proceedings which may be brought by or against the Employers or by or against any third party, or in the resolution of any question concerning the Invention, or the Patent Applications or any inventions that shall be disclosed in any of the Patent Applications.

4. Right to amend the Schedule

The Inventor and the Employers grant the firm of Mewburn Ellis LLP the right to insert in Part 2 of the Schedule to this Assignment any further identification of any existing or future patent applications in any countries, regions or territories of the world, which shall fall within the scope of clause 2 above, or as may be necessary or desirable in order to comply with the rules of a patent office for the recordal of this Assignment.

5. Counterparts

This Assignment may be executed in any number of counterparts, each of which when executed shall constitute an original of this Assignment, but all the counterparts shall together constitute the same agreement.

6. Governing law and jurisdiction

This Assignment is governed by the laws of the Republic of Singapore and is subject to the exclusive jurisdiction of its courts.

Schedule: The Patent Applications

Part 1: Priority Application

| Country | Application No. | Application Date | Title |
|---------|-----------------|------------------|----------------------------|
| GB | 1902419.9 | 22 February 2019 | TREATMENT OF KIDNEY INJURY |

Part 2: Identification of some, but not necessarily all, patent applications falling within the scope of clause 2 of this Assignment

| Country/region | Application No. | Application Date | Title | Signature for Mewburn Ellis LLP |
|----------------|-----------------|------------------|-------|---------------------------------------|
| | | | | |

Executed by **STUART ALEXANDER COOK** in the presence of:


SIGNATURE OF INVENTOR


SIGNATURE OF WITNESS

NAME: *Susanne Weber*

ADDRESS:

OCCUPATION: *Operations Manager*

DATE: *17 Oct 2019*

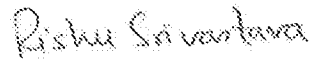
ENLEOFEN BIO PTE LTD
180 Robinson Road, #23-02 SBF Center
Singapore 068914
Email: info@enleofen.com

Executed by **NATIONAL UNIVERSITY OF SINGAPORE** acting by

Thomas M. COFFMAN M.D.
Dean
Duke-NUS Medical School

an authorised representative, in the presence of:


SIGNATURE OF AN AUTHORISED REPRESENTATIVE


SIGNATURE OF WITNESS

NAME: *Rishu Sivastava*

ADDRESS: *Duke-NUS, 8 College Road*


OCCUPATION: *Technology Development Manager*

DATE: *21/10/2019*

Executed by **SINGAPORE HEALTH SERVICES PTE LTD** acting by

Enny Kiesword

a director, in the presence of:


SIGNATURE OF A DIRECTOR
ENNY KIESWORD
Chief Operating Officer, Research
SINGAPORE HEALTH SERVICES PTE LTD


SIGNATURE OF WITNESS

NAME: *Chole Chu*

ADDRESS:

OCCUPATION: *Senior Executive*

DATE: *SingHealth Intellectual Property*

15 Nov 2019

Office of Research
Singapore Health Services Pte Ltd
20 College Road
The Academia, Discovery Tower, Level 7
Singapore 169856
UEN No. 200002698Z

ASSIGNMENT OF INVENTION & PATENT RIGHTS

Parties

- (1) **SCHAEFER, SEBASTIAN** of 315C Tanjong Katong Road, Singapore 437096, Singapore (the "Inventor");
- (2) **NATIONAL HEART CENTRE OF SINGAPORE** a company incorporated under the laws of Singapore with CRN/UEN: 199801148C whose registered office is at 31 Third Hospital Avenue, #03-03 Bowyer Block, Singapore 168753 ("NHCS"); and
- (3) **NATIONAL UNIVERSITY OF SINGAPORE** a company incorporated under the laws of Singapore, with CRN/UEN: 200604346E and whose registered office is at 21 Lower Kent Ridge Road, 119077 Singapore ("NUS");
Each of NHCS and NUS an "Employer" or together the "Employers" as the context may indicate; and
- (4) **SINGAPORE HEALTH SERVICES PTE LTD** incorporated and registered in Singapore with CRN/UEN: 200002698Z and whose registered office is at 31 Third Hospital Avenue, #03-03, Bowyer Block C. 168753 Singapore, Singapore ("SingHealth").

Background

- A. The Inventor and the Employers believe that, either by operation of law, Intellectual Property Policy or by virtue of an agreement entered into by the Inventor and the Employers before the making of the Invention, the Employers were, at the time the Invention was made, jointly entitled to an equal share in the property in the contributions of the Inventor to the Invention.
- B. NHCS is a wholly-owned subsidiary of SingHealth and under the intra-group governance documents, including the Intellectual Property Policy of the SingHealth healthcare group, NHCS has agreed, at SingHealth's demand, to assign its share in the Invention and the Patent Applications to SingHealth.
- C. In order to ensure, and to provide documentary evidence that NUS and SingHealth are the joint owners of the legal and beneficial interest in all the rights, title and interest in, to and arising from the Invention and the Patent Applications, the parties have agreed to execute this Assignment.

AGREED TERMS

1. Definitions

The definitions in this clause apply in this Assignment.

"Invention" means the invention entitled TREATMENT OF KIDNEY INJURY being the subject matter of the Priority Application.

"**Patent Applications**" means the Priority Application and any future applications claiming priority from the Priority Application and all matter contained in such future applications, including (without limitation):

- (a) international, national and regional phase applications of all such applications; and
- (b) divisions, continuations and continuations-in-part of all such applications; and
- (c) patents that may be granted pursuant to any of the aforesaid applications for their full period, including any re-issues, re-examinations, renewals, extensions and Supplementary Protection Certificates.

"**Priority Applications**" means the priority patent application, short particulars of which are set out in Part 1 of the Schedule.

2. **Assignment**

In consideration of the sum of S\$ 1 SGD (sufficiency and receipt of which the Inventor, the Employers and SingHealth expressly acknowledge), the Inventor hereby assigns jointly and absolutely to the Employers and thereafter, NHCS assigns absolutely to SingHealth, all its right, title and interest in all countries, regions and territories of the world in, to and arising from the Invention and, with effect from immediately prior to the filing of each, the Patent Applications, including (but not limited to):

- (a) in respect of the Invention and any invention that shall be disclosed in, and all matter that shall be contained in, any of the Patent Applications, the right to file applications, claim priority from such applications, and prosecute and obtain grant of patent or other intellectual property protection in respect of any country, region or territory in the world;
- (b) in respect of each and any Patent Application:
 - (i) the right to claim priority from and to prosecute and obtain grant of patents; and
 - (ii) the right to file divisional applications based on the Patent Applications and to prosecute and obtain grant of patent on each and any such divisional application;
- (c) the right to extend to, or register in or in respect of any country, region or territory in the world, each and any of the Patent Applications and to extend to or register in, or in respect of, any country, region or territory in the world any patent or other intellectual property protection granted on any of such applications;
- (d) the absolute entitlement to any patents granted pursuant to any Patent Applications; and
- (e) the right to bring, make, oppose or defend claims or actions, appeal proceedings and obtain relief (and to retain any damages recovered) in respect of any infringement, or any other cause of action arising from ownership, of the Inventions and the Patent Applications, whether occurring before on or after the date of this Assignment.

3. Further assurance

The inventor shall, at the shared cost of NUS and SingHealth, perform all further acts and things, and execute all further documents, required by law or which NUS and SingHealth request to vest in NUS and SingHealth the full benefit of the right, title and interest assigned to NUS and SingHealth under this Assignment, including (but not limited to):

- (a) documents required to be signed by or on behalf of the Inventor or NUS or SingHealth in the course of any applications which relate to the Invention or to any inventions that shall be disclosed in any of the Patent Applications;
- (b) registration of NUS and SingHealth as joint applicants for, or joint proprietors of, the Patent Applications; and
- (c) assisting NUS and SingHealth in obtaining, defending and enforcing any of the Patent Applications, and assisting with any other proceedings which may be brought by or against NUS and/or SingHealth by or against any third party, or in the resolution of any question concerning the Invention, or the Patent Applications or any inventions that shall be disclosed in any of the Patent Applications.

4. Right to amend the Schedule

The Inventor, NHCS, NUS and SingHealth grant the firm of Mewburn Ellis LLP the right to insert in Part 2 of the Schedule to this Assignment any further identification of any existing or future patent applications in any countries, regions or territories of the world, which shall fall within the scope of clause 2 above, or as may be necessary or desirable in order to comply with the rules of a patent office for the recordal of this Assignment.

5. Counterparts

This Assignment may be executed in any number of counterparts, each of which when executed shall constitute an original of this Assignment, but all the counterparts shall together constitute the same agreement.

6. Governing law and jurisdiction

This Assignment is governed by the laws of the Republic of Singapore and is subject to the exclusive jurisdiction of its courts.

Schedule: The Patent Applications

Part 1: Priority Application

| Country | Application No. | Application Date | Title |
|---------|-----------------|------------------|----------------------------|
| GB | 1902419.9 | 22 February 2019 | TREATMENT OF KIDNEY INJURY |

Part 2: Identification of some, but not necessarily all, patent applications falling within the scope of clause 2 of this Assignment

| Country/region | Application No. | Application Date | Title | Signature for Mewburn Ellis LLP |
|----------------|-----------------|------------------|-------|---------------------------------|
| | | | | |

Executed by **SEBASTIAN SCHAEFER**
in the presence of:



SIGNATURE OF INVENTOR



SIGNATURE OF WITNESS

NAME: Prof. Stuart A Cook

ADDRESS: 6 Sunset Square
597304 Singapore
Singapore

OCCUPATION: Professor

DATE: 21.11.2019

Executed by NATIONAL HEART
CENTRE OF SINGAPORE acting by


Prof Terrance CHUA
Medical Director
National Heart Centre Singapore

SIGNATURE OF AN AUTHORISED
REPRESENTATIVE

an authorised representative, in the
presence of:



SIGNATURE OF WITNESS

NAME:  Michelle Choo
Executive
Research Administration &
Development Office (RADO)
National Heart Centre Singapore

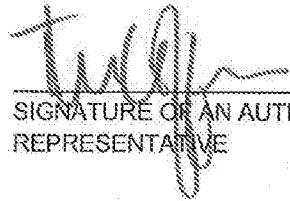
S Hospital Drive, Nites
S 169 609

OCCUPATION:

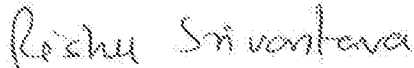
DATE: 25 NOV 2019

Executed by NATIONAL UNIVERSITY
OF SINGAPORE acting by

Thomas M. COFFMAN M.D.
Dean
Duke-NUS Medical School


SIGNATURE OF AN AUTHORISED
REPRESENTATIVE

An authorised representative, in the
presence of:



SIGNATURE OF WITNESS

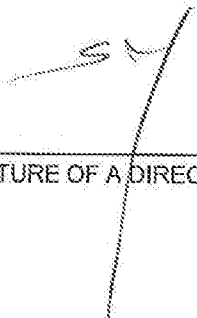
NAME: Rishu Srivastava

ADDRESS: Duke-NUS, 8 College Road

OCCUPATION: Technology Development Manager

DATE: 21/11/2019

Executed by SINGAPORE HEALTH
SERVICES PTE LTD acting by
ENNY KIESWORO
Chief Operating Officer, Research
SINGAPORE HEALTH SERVICES PTE LTD



SIGNATURE OF A DIRECTOR

a director, in the presence of:



SIGNATURE OF WITNESS

NAME: *Chole Chua*

Office of Research
Singapore Health Services Pte Ltd
20 College Road

ADDRESS: The Academia, Discovery Tower, Level 7
Singapore 169856
UEN No. 200302898Z

OCCUPATION: *Senior Executive, SingHealth IP*

DATE: *3 Dec 2019*