

DEED OF ASSIGNMENT

THIS DEED made the 17<sup>th</sup> day of September two thousand and eighteen (2018)  
BETWEEN

LIAU, Brian  
c/o Bioprocessing Technology Institute,  
20 Biopolis Way,  
Centros,  
#03-01,  
Singapore 138668

RAGHOTHAMAN, Deepak  
c/o Bioprocessing Technology Institute,  
20 Biopolis Way,  
Centros,  
#03-01,  
Singapore 138668

OH, Steve  
c/o Bioprocessing Technology Institute,  
20 Biopolis Way,  
Centros,  
#03-01,  
Singapore 138668

[hereinafter referred to as "the Assignors"]

AND

Agency for Science, Technology and Research  
1 Fusionopolis Way,  
#20-10,  
Connexis North Tower,  
Singapore 138632

[hereinafter referred to as "the Assignee"]

WHEREAS the Assignors warrant that the Assignors are the true inventors of an invention with the title "Methods For Enriching Mesenchymal Stem Cells" [hereinafter referred to as "the

Invention"] the subject of International Patent Application No. PCT/SG2018/050438, including the designation of the United States of America [hereinafter referred to as "the Application"]

AND WHEREAS the Assignors have agreed to assign to the Assignee and the Assignee desire to take assignment of all rights, title and interest of the Assignors in and to the invention and the Application,

NOW THIS DEED WITNESSETH

1. In consideration of the sum of one dollar (\$1) and other good and valuable consideration receipt of which is hereby acknowledged by the Assignors, the Assignors hereby assign to the Assignee all of their rights, title and interest in and to the Invention and the Application including:
  - (a) all rights and powers to make one or more applications for Letters Patent or other form of protection in the name of the Assignee in Singapore, the United States of America and in any other country of the world in respect of the Invention, and all rights, title and interest in and to any Letters Patent or other form of protection to mature from any such application,
  - (b) the rights and powers to prosecute the Application and all rights, title and interest in and to any Patent or Patents granted thereon together with any extension of the term of any such Patent or Patents as may be granted. SAVE THAT nothing in this Deed shall prevent the filing or proceeding of an Application to which this Deed relates, in the name of the Assignors or inventors where such filing or proceeding of such Application is beneficial to the interests of the Assignee,
  - (c) the rights and powers to seek protection in countries other than Singapore by way of Patent, Petty Patent, Utility Model, Design Patent or other appropriate form of protection for the Invention, by way of application(s) for such protection made to the appropriate authorities in such other country or countries as the Assignee in its complete discretion may elect, whether or not any such foreign application(s) be made claiming International Convention priority from the Application hereby assigned,
  - (d) any Copyright owned by the Assignors in and to any drawings relating to the subject matter of the Invention together with the rights and powers such as subsist at the date of this Deed,
  - (e) to apply for registration of Copyright, Design, Design-Patent or like protection in the name of the Assignee in Singapore and in any other country of the world in respect of the subject matter of the said drawings and to any registration of Copyright, Design-Patent or like protection which matures from any such application, together with the rights to sue in


respect of any infringement of that Copyright which may have occurred before the date of this Deed,

2. The Assignors agree, at the expense of the Assignee, to sign, execute and deliver all documents, forms and papers reasonably required to be produced or obtained by the Assignee in connection with any application for Letters Patent or other form of protection for the subject matter of the Invention, in Singapore or elsewhere.

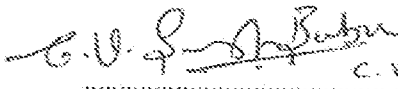
IN WITNESS WHEREOF the Assignors and Assignee executed this Deed the day and year first hereinbefore written.

ASSIGNORS


SIGNED, SEALED and DELIVERED  
By the said LIAU, Brian

  
..... BRIAN LIAU


in the presence of:

  
..... C.V. SURESH BABU  
(Witness)

SIGNED, SEALED and DELIVERED  
By the said RAGHOTHAMAN, Deepak

  
..... DEEPAK RAGHATHAMAN

in the presence of:

  
..... PURNIMA GOVINDAN  
(Witness)

SIGNED, SEALED and DELIVERED  
By the said OH, Steve

.....  
in the presence of:

.....  
(Witness)

**ASSIGNEE**

FOR AND ON BEHALF OF  
By the said  
Agency for Science, Technology and Research

.....  
in the presence of:

.....  
(Witness)

## DEED OF ASSIGNMENT

**THIS DEED** made the 13 day of Sept. two thousand and eighteen (2018)  
**BETWEEN,**

**LIAU, Brian**

c/o Bioprocessing Technology Institute,  
20 Biopolis Way,  
Centros,  
#03-01,  
Singapore 138668

**RAGHOTHAMAN, Deepak**

c/o Bioprocessing Technology Institute,  
20 Biopolis Way,  
Centros,  
#03-01,  
Singapore 138668

**OH, Steve**

c/o Bioprocessing Technology Institute,  
20 Biopolis Way,  
Centros,  
#03-01,  
Singapore 138668

[hereinafter referred to as "the Assignors"]

**AND****Agency for Science, Technology and Research**

1 Fusionopolis Way,  
#20-10,  
Connexis North Tower,  
Singapore 138632

[hereinafter referred to as "the Assignee"]

**WHEREAS** the Assignors warrant that the Assignors are the true inventors of an invention with the title "**Methods For Enriching Mesenchymal Stem Cells**" [hereinafter referred to as "the

Invention"] the subject of International Patent Application No. **PCT/SG2018/050438**, including the designation of the United States of America [hereinafter referred to as "the Application"]

AND WHEREAS the Assignors have agreed to assign to the Assignee and the Assignee desire to take assignment of all rights, title and interest of the Assignors in and to the Invention and the Application,

NOW THIS DEED WITNESSETH

1. In consideration of the sum of one dollar (\$1) and other good and valuable consideration receipt of which is hereby acknowledged by the Assignors, the Assignors hereby assign to the Assignee all of their rights, title and interest in and to the Invention and the Application including:

- (a) all rights and powers to make one or more applications for Letters Patent or other form of protection in the name of the Assignee in Singapore, the United States of America and in any other country of the world in respect of the Invention, and all rights, title and interest in and to any Letters Patent or other form of protection to mature from any such application,
- (b) the rights and powers to prosecute the Application and all rights, title and interest in and to any Patent or Patents granted thereon together with any extension of the term of any such Patent or Patents as may be granted, SAVE THAT nothing in this Deed shall prevent the filing or proceeding of an Application to which this Deed relates, in the name of the Assignors or Inventors where such filing or proceeding of such Application is beneficial to the interests of the Assignee,
- (c) the rights and powers to seek protection in countries other than Singapore by way of Patent, Petty Patent, Utility Model, Design Patent or other appropriate form of protection for the Invention, by way of application(s) for such protection made to the appropriate authorities in such other country or countries as the Assignee in its complete discretion may elect, whether or not any such foreign application(s) be made claiming International Convention priority from the Application hereby assigned,
- (d) any Copyright owned by the Assignors in and to any drawings relating to the subject matter of the Invention together with the rights and powers such as subsist at the date of this Deed,
- (e) to apply for registration of Copyright, Design, Design-Patent or like protection in the name of the Assignee in Singapore and in any other country of the world in respect of the subject matter of the said drawings and to any registration of Copyright, Design-Patent or like protection which matures from any such application, together with the rights to sue in

respect of any infringement of that Copyright which may have occurred before the date of this Deed,

2. The Assignors agree, at the expense of the Assignee, to sign, execute and deliver all documents, forms and papers reasonably required to be produced or obtained by the Assignee in connection with any application for Letters Patent or other form of protection for the subject matter of the Invention, in Singapore or elsewhere.

IN WITNESS WHEREOF the Assignors and Assignee executed this Deed the day and year first hereinbefore written.

**ASSIGNORS**

SIGNED, SEALED and DELIVERED  
By the said **LIAU, Brian**

.....  
in the presence of:

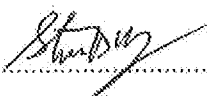
.....  
(Witness)

SIGNED, SEALED and DELIVERED  
By the said **RAGHOTHAMAN, Deepak**

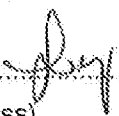
.....  
in the presence of:

.....  
(Witness)

SIGNED, SEALED and DELIVERED  
By the said **OH, Steve**

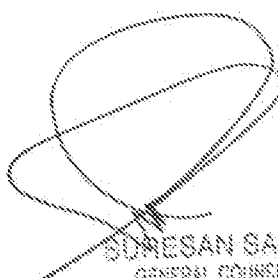
  
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in the presence of:

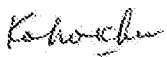
  
.....  
(Witness) **NG SENGYU KERNIAI**

**ASSIGNEE**

FOR AND ON BEHALF OF  
By the said  
**Agency for Science, Technology and Research**

  
.....  
**SURESAN SACHI**  
GENERAL COUNSEL  
AGENCY FOR SCIENCE, TECHNOLOGY AND RESEARCH

in the presence of:

  
.....  
(Witness) **CECILIA KOTT**