

ASSIGNMENT

As below named inventors, **Robert W. Keane** of Miami, FL; **W. Dalton Dietrich** of Miami FL, **Nadine Kerr** of Miami FL, **Shu Wu** of Miami FL, and **Juan Pablo De Rivero Vaccari** of Miami FL, (each referred to as "Assignor") having made an invention(s) (the "Invention(s)") set forth in an application for patent of the United States, entitled **METHODS FOR MODULATING INFLAMMASOME ACTIVITY AND INFLAMMATION IN THE LUNG**, and which is a:

- (1) ☒ provisional application
 (a) ☐ to be filed herewith; or
 (b) ☒ bearing Application No. **62/440,180**, and filed on **December 29, 2016**;
- (2) ☐ non-provisional application
 (a) ☐ to be filed herewith; or
 (b) ☐ bearing Application No. , and filed on ; or
- (3) ☐ PCT application
 (a) ☐ bearing Application No. , and filed on .

WHEREAS, University of Miami, having its principal place of business at 1951 NW 7th Avenue, Suite 300, Miami, FL 33136, its successors, legal representatives and assigns, (the "Assignee") is desirous of acquiring the entire right, title, and interest in and to said Invention; the application for patent identified above; the right to file applications for patent of the United States or other countries on the Invention; any application for patent of the United States or other countries claiming priority to these applications; any provisional or other right to recover damages, including royalties, for prior infringements of these applications; and any patent of the United States or other countries that may be granted therefor or thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, and to the extent that the Assignor has not done so already via a prior agreement with the Assignee, or if the Assignor has already done so via a prior agreement with the Assignee then in confirmation of any obligation to do so in said prior agreement, the Assignor has sold, assigned, transferred, and set over, and by these presents does sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns, the Assignor's entire right, title, and interest in:

- (a) the Invention(s);
- (b) the application for patent identified in paragraph (1), (2) and/or (3);
- (c) the right to file applications for patent of the United States or other countries on the Invention(s), including all rights under the Hague Convention, the Paris Convention for the Protection of Industrial Property and under the Patent Cooperation Treaty;

(d) any application(s) for patent of the United States or other countries claiming the Invention(s);

(e) any application(s) for patent of the United States or other countries claiming priority to the application for patent identified in paragraph (1), (2) and/or (3) or any application(s) for patent claiming the Invention(s), including any division(s), continuation(s), and continuation(s)-in-part; and

(f) any provisional or other right to recover damages, including royalties, for prior infringements of any application for patent identified in the preceding paragraphs (b)-(e); and

(g) any patent(s) of the United States or other countries that may be granted for or on any application for patent identified in the preceding paragraphs (b) – (e), including any reissue(s) and extension(s) of said patent(s).

The above-granted rights, titles, and interests are to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, as fully and entirely as the same would have been held and enjoyed by the Assignor had this sale and assignment not been made.

The Assignor hereby represents to the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, or if applicable, at such time said prior agreement was executed, the Assignor is a lawful owner of an undivided interest in the entire right, title, and interest in and to the Invention(s), that the Invention(s) are unencumbered, except, if applicable, by obligation to assign in accordance with said prior agreement, and that the Assignor has good and full right and lawful authority to sell and convey the same in the manner set forth herein.

The Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns, that the Assignor will sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done in connection with any and all proceedings for the procurement, maintenance, enforcement and defense of the Invention(s), said applications, and said patents, including interference proceedings, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns.

The Assignor hereby authorizes and requests the attorneys of COOLEY LLP to insert in the spaces provided above the filing date, the application number, and the attorney docket number of the application identified in paragraph (1), (2) and/or (3) when known.

The Assignor hereby requests the Commissioner of Patents to issue said patents of the United States to the Assignee for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date: Jan 11, 2017

By: Robert W. Keane
Name: **Robert W. Keane**

State of Florida)
) ss.
County of Miami Dade)

On January 11, 2017, before me, Autumn Arranz,
Notary Public, personally appeared Robert W. Keane,
who proved to me on the basis of satisfactory evidence, to be the person(s) whose
name(s) is/are subscribed to the within instrument and acknowledged to me that
he/she/they executed the same in his/her/their authorized capacity(ies), and that by
his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of
which the person(s) acted, executed the instrument. REQUIRED SENTENCE IF
NOTARIZED IN CALIFORNIA: I certify under PENALTY OF PERJURY under the
laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Autumn Arranz
Signature of Notary Public



My Commission Expires: May 23, 2017

Date: 1/9/17By: [Signature]
Name: **W. Dalton Dietrich**State of Florida)

) ss.

County of Miami-Dade)

On January 9, 2017, before me, Autuma Arranz,
Notary Public, personally appeared W. Dalton Dietrich,
who proved to me on the basis of satisfactory evidence, to be the person(s) whose
name(s) is/are subscribed to the within instrument and acknowledged to me that
he/she/they executed the same in his/her/their authorized capacity(ies), and that by
his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of
which the person(s) acted, executed the instrument. REQUIRED SENTENCE IF
NOTARIZED IN CALIFORNIA: I certify under PENALTY OF PERJURY under the
laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

[Signature]
Signature of Notary PublicMy Commission Expires: 5/23/2017

Date: 1/12/17

By: Nadine Kerr
Name: Nadine Kerr

State of Florida)
) ss.
County of Miami-Dade)

On January 12, 2017, before me, Autumn Arranz,
Notary Public, personally appeared Nadine Kerr,
who proved to me on the basis of satisfactory evidence, to be the person(s) whose
name(s) is/are subscribed to the within instrument and acknowledged to me that
he/she/they executed the same in his/her/their authorized capacity(ies), and that by
his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of
which the person(s) acted, executed the instrument. REQUIRED SENTENCE IF
NOTARIZED IN CALIFORNIA: I certify under PENALTY OF PERJURY under the
laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

[Signature]
Signature of Notary Public



My Commission Expires: May 23, 2017

Date:

1/10/2017

By:

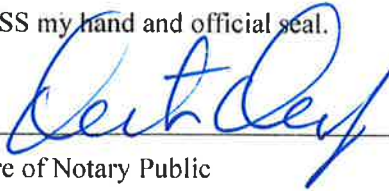
Name: Shu Wu

State of Florida)
) ss.
County of miami - Dade)

On January 10, 2017, before me, Autumn Aranz,
Notary Public, personally appeared Shu Wu,
who proved to me on the basis of satisfactory evidence, to be the person(s) whose
name(s) is/are subscribed to the within instrument and acknowledged to me that
he/she/they executed the same in his/her/their authorized capacity(ies), and that by
his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of
which the person(s) acted, executed the instrument. REQUIRED SENTENCE IF
NOTARIZED IN CALIFORNIA: I certify under PENALTY OF PERJURY under the
laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature of Notary Public

My Commission Expires: 5/23/2017

Date: 01/11/2017By: Name: **Juan Pablo De Rivero****Vaccari**State of Florida
County of Miami-Dade ss.

On January 11, 2017, before me, Autumn Arranz,
Notary Public, personally appeared Juan Pablo De Rivero,
who proved to me on the basis of satisfactory evidence, to be the person(s) whose
name(s) is/are subscribed to the within instrument and acknowledged to me that
he/she/they executed the same in his/her/their authorized capacity(ies), and that by
his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of
which the person(s) acted, executed the instrument. REQUIRED SENTENCE IF
NOTARIZED IN CALIFORNIA: I certify under PENALTY OF PERJURY under the
laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature of Notary Public

My Commission Expires: 5/23/2017

Date: January 13, 2017

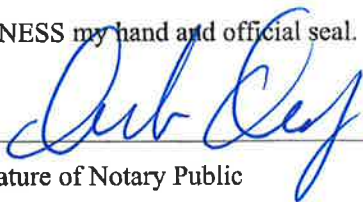
By: 

Name: James O'Connell
Title: Director, Office of Technology Transfer
Company: University of Miami

State of Florida)
County of Miami-Dade) ss.

On January 13, 2017, before me, Autumn Arranz,
Notary Public, personally appeared James O'Connell,
who proved to me on the basis of satisfactory evidence, to be the person(s) whose
name(s) is/are subscribed to the within instrument and acknowledged to me that
he/she/they executed the same in his/her/their authorized capacity(ies), and that by
his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of
which the person(s) acted, executed the instrument. REQUIRED SENTENCE IF
NOTARIZED IN CALIFORNIA: I certify under PENALTY OF PERJURY under the
laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.


Signature of Notary Public

My Commission Expires: 5/23/2017



Place Notary Seal Above