

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4551405

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
KEITH SADOON BAHJAT	04/14/2016
HELENA MARIA HOEN	05/25/2016
YOSHINOBU KOGUCHI	05/20/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	PROVIDENCE HEALTH & SERVICES
<b>Street Address:</b>	4805 NE GLISAN ST.
<b>City:</b>	PORTLAND
<b>State/Country:</b>	OREGON
<b>Postal Code:</b>	97213
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15547304
<b>CORRESPONDENCE DATA</b>	
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<b>Address Line 1:</b>	ONE POST OFFICE SQUARE
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<b>ATTORNEY DOCKET NUMBER:</b>	MXI-542US
<b>NAME OF SUBMITTER:</b>	CHRISTOPHER L. FRANK, PH.D.
<b>SIGNATURE:</b>	/Christopher L. Frank, Ph.D./
<b>DATE SIGNED:</b>	08/15/2017
<b>Total Attachments: 11</b>	
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source=MXI-542US Bahjat, Hoen and Yoshinobu to Providence#page11.tif

## ASSIGNMENT

WHEREAS, we, Keith Sadoon Bahjat of Portola Valley, CA, Yoshinobu Koguchi of Portland, OR, and Helena Hoen of Redwood City, CA, have invented a certain invention, as described in the following patent application:

Patent Application No. PCT/US2016/016769, filed on February 5, 2016 titled

“CXCL11 AND SMICA AS PREDICTIVE BIOMARKERS FOR EFFICACY OF ANTI-CTLA4 IMMUNOTHERAPY”,

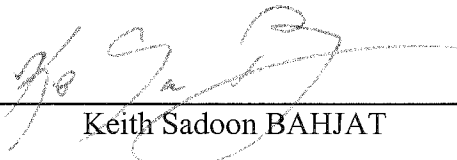
WHEREAS, PROVIDENCE HEALTH & SERVICES – OREGON, having a place of business at 4805 NE Glisan St., Portland, OR 97213, desires to acquire an interest therein;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, Keith Bahjat, Yoshinobu Koguchi, and Helena Hoen hereby sell, assign, and transfer to Providence Health & Services – Oregon our full and exclusive right, title, and interest in and to said invention, the patent applications and patent rights throughout the world, including foreign patent priority rights, the right to file and prosecute International Applications under the Patent Cooperation Treaty, and the right to file and prosecute applications under the European Patent Convention; said invention, the patent applications, and letters patent in this or any foreign country, and all corresponding non-provisional applications, divisions, continuations, continuations-in-part, reissues, and extensions thereof, to be held and enjoyed by Providence Health & Services – Oregon, for its own use and benefit, and for its successors and assigns to the full end of the term for which letters patent may be granted by the United States or any foreign country, as fully and entirely as the same would have been held by us had this assignment and sale not been made, and covenant that we have full right so to do, and agree that we will communicate to Providence Health & Services – Oregon, or its successors and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, and reissue applications, make all rightful oaths, and do everything possible to aid Providence Health & Services – Oregon, its successors and assigns to obtain and enforce proper patent protection for said invention in the United States or any foreign country.

We confirm that at the time the invention was made we were under an obligation to assign the invention to Providence Health & Services – Oregon.

We do further hereby grant the attorneys/agents of Nelson Mullins Riley & Scarborough LLP, the power to insert on this Assignment any further information that may be necessary or desirable in order to comply with all applicable legal requirements, including the rules of the United States Patent and Trademark Office, for submitting and recording this document.

Executed at the place and date opposite my signature below.

  
\_\_\_\_\_  
Keith Sadoon BAHJAT

Date: 4/14/2016

United States of America )  
State of California )  
County of San Mateo )

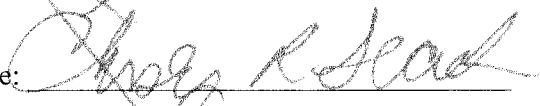
### NOTARIAL CERTIFICATE

On this 14th day of April, 2016, before me personally came **Keith Sadoon BAHJAT** who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her/their authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

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, this 14th day of April, 2016.



Signature: 

Christopher R. Leach, Notary Public

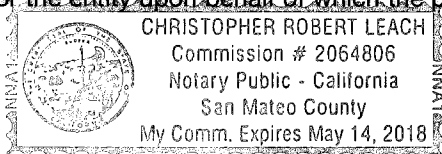
**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

**CIVIL CODE § 1189**

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California )  
 County of San Mateo )  
 On 04/14/2016 before me, Christopher R Leach - Notary Public,  
 Date Here Insert Name and Title of the Officer  
 personally appeared Keith Sadoun Bahja +  
 Name(s) of Signer(s)

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.



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 Chris R Leach  
 Signature of Notary Public

Place Notary Seal Above

**OPTIONAL**

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

**Description of Attached Document**

Title or Type of Document: \_\_\_\_\_

Document Date: \_\_\_\_\_ Number of Pages: \_\_\_\_\_

Signer(s) Other Than Named Above: \_\_\_\_\_

**Capacity(ies) Claimed by Signer(s)**

Signer's Name: \_\_\_\_\_

☐ Corporate Officer — Title(s): \_\_\_\_\_

☐ Partner — ☐ Limited ☐ General

☐ Individual ☐ Attorney in Fact

☐ Trustee ☐ Guardian or Conservator

☐ Other: \_\_\_\_\_

Signer Is Representing: \_\_\_\_\_

Signer's Name: \_\_\_\_\_

☐ Corporate Officer — Title(s): \_\_\_\_\_

☐ Partner — ☐ Limited ☐ General

☐ Individual ☐ Attorney in Fact

☐ Trustee ☐ Guardian or Conservator

☐ Other: \_\_\_\_\_

Signer Is Representing: \_\_\_\_\_

\_\_\_\_\_  
Helena Hoen

Date: \_\_\_\_\_

United States of America )  
State of \_\_\_\_\_ )  
County of \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me, the  
the undersigned notary public, personally appeared \_\_\_\_\_  
(name of document signer), proved to me through satisfactory evidence of identification,  
which was \_\_\_\_\_, to be the person whose name  
is signed on the preceding or attached document in my presence.

\_\_\_\_\_(official signature and seal of notary)

My commission expires \_\_\_\_\_

\_\_\_\_\_  
Yoshinobu Koguchi

Date: \_\_\_\_\_

United States of America )  
State of \_\_\_\_\_ )  
County of \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me, the  
the undersigned notary public, personally appeared \_\_\_\_\_  
(name of document signer), proved to me through satisfactory evidence of identification,  
which was \_\_\_\_\_, to be the person whose name  
is signed on the preceding or attached document in my presence.

\_\_\_\_\_(official signature and seal of notary)

My commission expires \_\_\_\_\_

## ASSIGNMENT BY INVENTORS

WE, Keith Sadoon BAHJAT; Helena Maria HOEN; and Yoshinobu KOGUCHI, of Portland, Oregon, for good and valuable consideration paid to us by

Providence Health & Services

a Corporation, having its principal place of business at 4805 NE Glisan St., Portland, Oregon 97213, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

Providence Health & Services

its successors and assigns, the entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in

CXCL11 AND SMICA AS PREDICTIVE BIOMARKERS FOR EFFICACY OF ANTI-CTLA4 IMMUNOTHERAPY

described in an application

☐ Executed by us of even date herewith and about to be filed

or

☒ Application No. PCT/US2016/016769, filed on February 5, 2016

in the United States Patent and Trademark Office, and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon. And we agree, for ourselves and our executors and administrators, with said Corporation and its successors and assigns but at its or their expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said Corporation, with specifications and claims in such form as shall be approved by the counsel of said Corporation and to vest and confirm in said Corporation, its successors and assigns, the legal title to all such patents.

And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said Corporation, its successors and assigns.

And we do further hereby grant the attorneys/agents of Nelson Mullins Riley & Scarborough LLP, the power to insert on this Assignment the filing date and/or application number of said application.



\_\_\_\_\_  
Keith Sadoon Bahjat

Date: \_\_\_\_\_

United States of America )  
State of \_\_\_\_\_ ) ss.:  
County of \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me, the  
the undersigned notary public, personally appeared \_\_\_\_\_  
(name of document signer), proved to me through satisfactory evidence of identification,  
which was \_\_\_\_\_, to be the person whose name  
is signed on the preceding or attached document in my presence.

\_\_\_\_\_  
(official signature and seal of notary)

My commission expires \_\_\_\_\_

Helena Maria Hoen  
Helena Maria Hoen

Date: 5/25/2016

United States of America )  
State of Indiana ) ss.:  
County of Boone )

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me, the  
the undersigned notary public, personally appeared \_\_\_\_\_  
(name of document signer), proved to me through satisfactory evidence of identification,  
which was \_\_\_\_\_, to be the person whose name  
is signed on the preceding or attached document in my presence.

\_\_\_\_\_  
(official signature and seal of notary)

My commission expires \_\_\_\_\_

\_\_\_\_\_  
Yoshinobu Koguchi

Date: \_\_\_\_\_

United States of America )  
State of \_\_\_\_\_ ) ss.:  
County of \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me, the  
the undersigned notary public, personally appeared \_\_\_\_\_  
(name of document signer), proved to me through satisfactory evidence of identification,  
which was \_\_\_\_\_, to be the person whose name  
is signed on the preceding or attached document in my presence.

\_\_\_\_\_  
(official signature and seal of notary)

My commission expires \_\_\_\_\_

## ASSIGNMENT

WHEREAS, we, Keith Bahjat of Portola Valley, CA, Yoshinobu Koguchi of Portland, OR, and Helena Hoen of Redwood City, CA, have invented a certain invention, as described in the following patent application:

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Yoshinobu Koguchi  
Yoshinobu Koguchi

Date: May 20, 2016

United States of America )  
State of Oregon )  
County of Multnomah )

On this 20<sup>th</sup> day of May, 2016 before me, the  
the undersigned notary public, personally appeared Yoshinobu Koguchi  
(name of document signer), proved to me through satisfactory evidence of identification,  
which was Driver's License, to be the person whose name  
is signed on the preceding or attached document in my presence.

Laura E. Jazowski (official signature and seal of notary)  
My commission expires October 15, 2019

