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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Nome	Evenution Data
	Name	Execution Date
MARK I. GREENE	Name	11/16/2016
MARK I. GREENE HONGTAO ZHANG	Name	

HIROMICHI TSUCHIYA	07/14/2017
YASUHIRO NAGAI	11/16/2016
LIAN LAM	11/16/2016
AARON RUNKLE	07/16/2017
JEFFREY DREBIN	01/30/2017
MEI QING JI	11/17/2016

RECEIVING PARTY DATA

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Street Address:	3160 CHESTNUT STREET	
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State/Country:	ate/Country: PENNSYLVANIA	
Postal Code:	19104	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17375459

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: PENN-002/05US 321199-2085

NAME OF SUBMITTER:	FUMIN SHI	
SIGNATURE:	/Fumin Shi/	
DATE SIGNED:	04/27/2022	
Total Attachments: 13		
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Attorney Docket No.: PENN-002/03US 321199-2004

PATENT

ASSIGNMENT

Mark I. GREENE, residing at 300 Righters Mill Road, Penn Valley, PA 19301; Hongtao ZHANG, residing at 1651 Valley Greene Road, Paoli, PA 19301; Hiromichi TSUCHIYA, residing at 1700 Benjamin Franklin Parkway, Apt. 418, Philadelphia, PA 19103; Yasuhiro NAGAI, residing at 1700 Benjamin Franklin Parkway, Apt. 1701, Philadelphia, PA 19103; Lian LAM, residing at 1707 S. 11th Street, Philadelphia, PA 19148; Aaron RUNKLE, residing at 907 Autumn River Run, Philadelphia, PA 19128; Jeffrey DREBIN, 1121 Barberry Road, Bryn Mawr, PA 19010; and Mei Qing JI, residing at 38 Chatham Drive, Voorhees, NJ 08043 (each referred to as "Assignor") have made an invention(s) (the "Invention(s)") set forth in an application for patent of the United States, entitled <u>COMBINATION OF IFN-GAMMA AND ANTI-ERBB</u> <u>ANTIBODY FOR THE TREATEMENT OF CANCERS</u>, and which is a:

- (1) \Box provisional application
 - (a) to be filed herewith; or
 - (b) bearing Application No. , and filed on
- (2) \square non-provisional application
 - (a) to be filed herewith; or
 - (b) \boxtimes bearing Application No. <u>15/019,924</u>, and filed on <u>February 9, 2016</u>; and/or

(3) **PCT** application

WHEREAS, The Trustees of the University of Pennsylvania, a corporation having its principal place of business at 3160 Chestnut Street, Suite 200, Philadelphia, PA 19104 its successors, legal representatives and assigns, (the "Assignee"), is desirous of acquiring the entire right, title, and interest in: the Invention(s); the application(s) for patent identified above; the right to file applications for patent of the United States or other countries on the Invention(s); any application(s) for patent of the United States or other countries claiming priority to, and/or the benefit of, these applications; any provisional or other right to recover any and all past, present, and future damages, including royalties, for any and all past, present, and future infringements of these application(s); and any and all patent(s) of the United States or other countries that may be granted therefor or thercon.

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 a predecessor in interest of the Assignee, or if the Assignor has already done so via a prior agreement with the Assignee or a predecessor in interest of 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:

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⁽a) bearing Application No. , and filed on

Attorney Docket No.: PENN-002/03US 321199-2004 Application No.: 15/019,924; Filed: February 9, 2016 Page 2 of 12

(a) the Invention(s);

(b) the application(s) for patent identified above;

(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, and all rights of claiming priority in any country of the world;

(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, and/or the benefit of, at least one of the application(s) for patent identified above or any application(s) for patent claiming the Invention(s), including any substitute application(s), division(s), continuation(s), and continuation(s)-in-part;

(f) any provisional or other right to recover any and all past, present, and future damages, including royalties, for any and all past, present, and future infringements of any application for patent identified in the preceding paragraphs (b)-(e) and of any and all patent(s) granted based thereon in the United States and in all other countries; 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), reexamination(s), revival(s), renewal(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, and

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that Assignor will not make or enter into any assignment, sale, agreement or encumbrance which would conflict with these presents.

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 application(s), and said patent(s), including interference and derivation proceedings, and any post-grant proceedings (e.g., opposition proceedings, post-grant reviews, *Inter partes* reviews, supplemental examinations, etc.) 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(s) identified above 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.

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Nov 16 12016 Ву: _//≀ Date:

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 <u>Pennsylvania</u>)) ss. County of <u>Philadelphia</u>) 11/16/2016, before me, Samantha Sajoring Ko On Notary Public, personally appeared Mark T. Greene 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: 1 certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct. COMMONWEALTH OF PENNSYLVANIA NOTARIAL SEAL SAMANTHA SOYOUNG KOO WITNESS my hand and official seal. **Notary Public** CITY OF PHILADELPHIA, PHILADELPHIA CNTY My Commission Expires Sep 8, 2019 Signature of Notary Public Place Notary Seal Above My Commission Expires:

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Attorney Docket No.: PENN-002/03US 321199-2004 Application No.: 15/019,924; Filed: February 9, 2016 Page 5 of 12

Nov 16 2016 Date: By: Hongtao ZHANG

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 <u>Pennsylvania</u>) ss. County of Philadelphia On 11/16/2016, before me, Samantha Sayaring Koo Notary Public, personally appeared Hongtan Zhang 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 exècuted 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. COMMONWEALTH OF PENNSYLVANIA NOTARIAL SEAL SAMANTHA SOYOUNG KOO WITNESS my hand and official seal. **Notary Public** CITY OF PHILADELPHIA, PHILADELPHIA CNTY My Commission Expires Sep 8, 2019 Signature of Notary Public Place Notary Seal Above My Commission Expires:

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Attorney Docket No.: PENN-002/03US 321199-2004 Application No.: 15/019,924; Filed: February 9, 2016 Page 6 of 12

Hiromichi TSUCHIYA

IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature.

Executed this <u>14 rh</u> day of <u>July</u>, year of 2012.

Signature -

WITNESS

Tokyo, Japan Signed Al (City/State) Peter D. Young an Signature 8 Date

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U.S. Department of State Individual Acknowledgment Certificate

JAPAN CITY OF TOKYO EMBASSY OF THE UNITED STATES OF AMERICA

SS:

I certify that on this day the individual named below appeared before me and acknowledged to me that the attached instrument was executed freely and voluntarily.

Hiromichi Suching

(Printed Name(s) of Individual(s))

(Signature of Consular Officer) Momo Zhang Consular Associate of the United States of America

(Title of Consular Officer)

JN 1 4 2017

Date (mm-dd-yyyy)

Attorney Docket No.: PENN-002/03US 321199-2004 Application No.: 15/019,924; Filed: February 9, 2016 Page 7 of 12

Nov 16/2016 Date:

By: Yasuhiro NAGAI

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 Pennsylvania County of Philadelphia On 11/16/2016, before me, Samaritha Sajobing Koo Notary Public, personally appeared Yasubico Nagaí 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. COMMONWEALTH OF PENNSYLVANIA NOTARIAL SEAL SAMANTHA SOYOUNG KOO WITNESS my hand and official seal. Notary Public CITY OF PHILADELPHIA, PHILADELPHIA CNTY My Commission Expires Sep 8, 2019 Signature of Notary Public Place Notary Seal Above My Commission Expires:

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	Attorney Docket No.: PENN-002/03US 321199-2004 Application No.: 15/019,924; Filed: February 9, 2016 Page 8 of 12
Date: 6 6	By: Lian LAM
	completing this certificate verifies only the identity of the ment to which this certificate is attached, and not the ty of that document.
State of <u>Penosylvania</u> County of <u>Philadelphia</u>)) ss.)
On <u>11/1612016</u> Notary Public, personally ap	, before me, <u>Samantha Sajaing Koc</u> , peared <u>Lian Lam</u> ,
name(s) is/are subscribed to	sis of satisfactory evidence, to be the person(s) whose the within instrument and acknowledged to me that e in his/her/their authorized capacity(ies), and that by
	e instrument the person(s), or the entity upon behalf of
The second se	NOTARIZED IN CALIFORNIA: I certify under er the laws of the State of California that the foregoing
paragraph is true and correct. WITNESS my hand and official	COMMONWEALTH OF PENNSYLVANIA NOTARIAL SEAL SAMANTHA SOYOUNG KOO Notary Public CITY OF PHILADELPHIA, PHILADELPHIA CNTY My Commission Expires Sep 8, 2019
Signature of Notary Public	Place Notary Seal Above
My Commission Expires:	

136720815 v1

26124-0140

Attorney Docket No.: PENN-002/03US 321199-2004 Application No.: 15/019,924; Filed: February 9, 2016 Page 9 of 12

Aaron RUNKLE

IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature. Executed this <u>16</u> day of <u>July</u>, year of <u>2017</u>.

Signature -

WITNESS

Date

Marton, New Jersee Signed At (City/State)

limothy + Name Signature

TIMOTHY J PINE NOTARY PUBLIC STATE OF NEW JERSEY MY COMMISSION EXPIRES 4-29-2018

136720815 v2

Attorney Docket No.: PENN-002/03US 321199-2004 Application No.: 15/019,924; Filed: February 9, 2016 Page 10 of 12

01/30/2017 Date:

By:

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 <u>Pennsylvania</u>) State of <u>Philadelphia</u>) ss. On 01/30/2017, before me, Samanthe Sayung Kas Notary Public, personally appeared <u>Jeffrey Prebin</u> 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/

Place Notary Seal Above

My Commission Expires:

COMMONWEALTH OF PENNSYLVANIA NOTARIAL SEAL SAMANTHA SOYOUNG KOO Notary Public CITY OF PHILADELPHIA, PHILADELPHIA CNTY My Commission Expires Sep B, 2019

136720815 vl

Attorney Docket No.: PENN-002/03US 321199-2004 Application No.: 15/019,924; Filed: February 9, 2016 Page 11 of 12

Date: 11/17 / 2016

By: Mei Qing JI

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 Pennsylvania) ss. County of Philadelphia 11/17/2016, before me, Samontha Soyaing Koo On Notary Public, personally appeared Mei Qina Ji 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(ics), 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. COMMONWEALTH OF PENNSYLVANIA NOTARIAL SEAL SAMANTHA SOYOUNG KOO WITNESS my hand and official seal. **Notary Public** CITY OF PHILADELPHIA, PHILADELPHIA CNTY My Commission Expires Sep 8, 2019 Dewan Signature of Notary Public Place Notary Seal Above My Commission Expires:

136720815 vl

Attorney Docket No.: PENN-002/03US 321199-2004 Application No.: 15/019,924; Filed: February 9, 2016 Page 12 of 12

For and on behalf of ASSIGNEE:	chanh La. 1
Date: <u>March 3,2017</u>	By: <u>Synan Oral Con</u>
	Name: Jennifer Langehiberger
	Title: Director, Intellectual Proper
	Company: The Trustees of the University of Pennsylvania
A notary public or other officer completing individual who signed the document to we truthfulness, accuracy, or validity of that	ng this certificate verifies only the identity of the ///////////////////////////////////
- No 1 - Zo	
State of Chnsh Vah19	
County of Miladelphia SE	
	iore me, Stephanie M. Bungiovanni
On $3 3 + \frac{5}{2}$, bef	Tan in a land and a land
	Jenniker & Langenberger.
	isfactory evidence, to be the person(s) whose
	in instrument and acknowledged to me that
	ver/their authorized capacity(ies), and that by
	ent the person(s), or the entity upon behalf of
which the person(s) acted, executed the in	
	UZED IN CALIFORNIA: I certify under
	vs of the State of California that the foregoing
paragraph is true and correct.	NOTARIAL SEAL
WITNESS my hand and official seal.	STEPHANIE M. BONGIOVANNI, Notary Public City of Philadelphia, Phila. County
Stophanie M. Bong	My Commission Explres May 5, 2020
Signature of Notary Public	Place Notary Seal Above
My Commission Expires:COMMO	NWEALTH OF PENNSYLVANIA
	NOTARIAL SEAL E.M., BONGIOVANNI, Notary Public
City of	A Bondiovanni, notary Point. I Philadelphia, Phila. County mmission Expires May 5, 2020

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RECORDED: 04/27/2022