

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Steven A. Rosenberg</td> <td>02/05/2010</td> </tr> <tr> <td>Richard A. Morgan</td> <td>02/17/2010</td> </tr> <tr> <td>Timothy L. Frankel</td> <td>03/10/2010</td> </tr> <tr> <td>Peter Peng</td> <td>02/12/2010</td> </tr> </tbody> </table>		Name	Execution Date	Steven A. Rosenberg	02/05/2010	Richard A. Morgan	02/17/2010	Timothy L. Frankel	03/10/2010	Peter Peng	02/12/2010
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Steven A. Rosenberg	02/05/2010										
Richard A. Morgan	02/17/2010										
Timothy L. Frankel	03/10/2010										
Peter Peng	02/12/2010										
RECEIVING PARTY DATA											
Name:	The United States of America, as represented by the Secretary, Department of Health and Human Services										
Street Address:	Office of Technology Transfer, National Institutes of Health										
Internal Address:	6011 Executive Boulevard, Suite 325, MSC 7660										
City:	Bethesda										
State/Country:	MARYLAND										
Postal Code:	20892-7660										
PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>PCT Number:</td> <td>US1021909</td> </tr> </tbody> </table>		Property Type	Number	PCT Number:	US1021909						
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PCT Number:	US1021909										
CORRESPONDENCE DATA											
Fax Number:	(312)616-5700										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	312-616-5600										
Email:	email@leydig.com										
Correspondent Name:	John Kilyk, Jr.										
Address Line 1:	Two Prudential Plaza, Suite 4900										
Address Line 2:	180 North Stetson Avenue										
Address Line 4:	Chicago, ILLINOIS 60601-6731										
ATTORNEY DOCKET NUMBER:	BIOT010710/EKM										

CH \$40.00 US1021909

501116150

**PATENT
 REEL: 024064 FRAME: 0515**

NAME OF SUBMITTER:

John Kilyk, Jr.

Total Attachments: 21

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**ASSIGNMENT FOR NIH/FDA INVENTIONS
(NIH OR FDA CO-INVENTORS ONLY)**

WHEREAS, we, Steven A. Rosenberg, Richard A. Morgan, Timothy L. Frankel, and Peter Peng, employees of the National Institutes of Health, a component of the United States Department of Health and Human Services having an address at the Office of Technology Transfer, National Institutes of Health, 6011 Executive Boulevard, Suite 325, MSC 7660, Bethesda, MD 20892-7660, [hereinafter **The Inventors**], have executed an International Application for a U.S. patent having International Application Number PCT/US10/21909, filed January 25, 2010, and which is entitled "T CELL RECEPTORS AND RELATED MATERIALS AND METHODS OF USE" ("patent application") and;

WHEREAS, we are the applicants named in the above-identified patent application; and

WHEREAS, the inventions described and claimed therein were made under conditions such as to entitle **THE UNITED STATES OF AMERICA**, as represented by the Secretary, Department of Health and Human Services [hereinafter **THE GOVERNMENT**] under Executive Order 10096 and its amendments, 35 USC §§200-201, §§206-207, and §210 and 37 CFR Part 501 to the entire right, title, and interest in such inventions; and

WHEREAS, **THE GOVERNMENT** is desirous of acquiring all domestic and foreign right, title, and interest in the inventions described and claimed in the patent application; and

NOW, THEREFORE, having the legal obligation to assign our right, title and interest in the inventions described and claimed in the above-identified patent application to **THE GOVERNMENT**, having a place of business at the Office of Technology Transfer, National Institutes of Health, 6011 Executive Boulevard, Suite 325, MSC 7660, Bethesda, MD 20892-7660 and for consideration, the receipt and sufficiency of which are hereby acknowledged, we hereby assign and transfer to **THE GOVERNMENT**:

the entire right, title, and interest in and to any and all inventions described and claimed in said patent application and any and all Letters Patents which may be granted thereon, and any and all continuations, divisions, reissues or extensions thereof; and

all rights to claim priority on the basis of said patent application including but not limited to applications filed through the provisions of the Patent Cooperation Treaty ("PCT Applications"); and

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IN WITNESS WHEREOF we subscribe our hands and seals on the dates shown below:

Inventor 1:	
<u>2/5/10</u> Date	<u>Steven A. Rosenberg</u> Steven A. Rosenberg
County of <u>Montgomery</u>	
State of <u>Maryland</u>	
Subscribed and sworn to before me this <u>5</u> day of <u>February</u> , <u>2010</u>	
[Seal]	<u>Courtney R. Duncan</u> Notary Public for <u>Montgomery Co, MD</u> My Commission Expires: <u>08-08-2012</u>

**COURTNEY R. DUNCAN
NOTARY PUBLIC
MONTGOMERY COUNTY, MD
MY COMM. EXPIRES 8-8-2012**

Inventor 2:

_____ Date _____ Richard A. Morgan

County of _____

State of _____

Subscribed and sworn to before me this ____ day of _____, _____.

[Seal]

Notary Public for _____
My Commission Expires: _____

Inventor 3:

_____ Date _____ Timothy L. Frankel

County of _____

State of _____

Subscribed and sworn to before me this _____ day of _____, _____.

[Seal]

Notary Public for _____

My Commission Expires: _____

Inventor 4:

_____ Date

_____ Peter Peng

County of _____

State of _____

Subscribed and sworn to before me this _____ day of _____, _____.

[Seal]

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_____	_____
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County of _____	
State of _____	
Subscribed and sworn to before me this ____ day of _____, _____.	
[Seal]	_____
	Notary Public for _____
	My Commission Expires: _____

Inventor 2:

2-17-2010

Date

Richard A. Morgan

Richard A. Morgan

County of

Montgomery

State of

Maryland

Subscribed and sworn to before me this 17 day of Feb., 2010.

[Seal]

Richard

Notary Public for _____

My Commission Expires: _____

LAURENCE D. RICHARDS
NOTARY PUBLIC STATE OF MARYLAND
My Commission Expires July 14, 2012

Inventor 3:

_____ Date _____ Timothy L. Frankel

County of _____

State of _____

Subscribed and sworn to before me this _____ day of _____, _____.

[Seal]

Notary Public for _____

My Commission Expires: _____

Inventor 4:	
_____	_____
Date	Peter Peng
County of _____	
State of _____	
Subscribed and sworn to before me this _____ day of _____, _____.	
[Seal]	_____
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[Seal]	_____
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Inventor 2:

_____ Date _____ Richard A. Morgan

County of _____

State of _____

Subscribed and sworn to before me this ____ day of _____, _____.

[Seal]

Notary Public for _____

My Commission Expires: _____

Inventor 3:

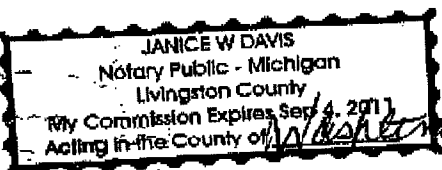
3/10/10
Date

[Signature]
Timothy L. Frankel

County of Livingston

State of Michigan

Subscribed and sworn to before me this 10 day of March, 2010

[Seal]  JANICE W DAVIS
Notary Public - Michigan
Livingston County
My Commission Expires Sep 4, 2011
Acting in the County of Washington

[Signature]
Notary Public for Washington
My Commission Expires: 09-04-2011

Inventor 4:

_____ Date _____ Peter Peng

County of _____

State of _____

Subscribed and sworn to before me this _____ day of _____, _____.

[Seal]

Notary Public for _____
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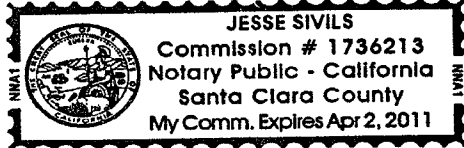
Notary Public for _____

My Commission Expires: _____

State of California
County of Santa Clara

Subscribed and sworn to (or affirmed) before me on this 12th
day of February, 2010, by Peter Donald Peng

proved to me on the basis of satisfactory evidence to be the
person(s) who appeared before me.



(Seal)

Signature

A handwritten signature in black ink, appearing to read "Jesse Sivils", written over a horizontal line.

**ASSIGNMENT FOR NIH/FDA INVENTIONS
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WHEREAS, we, Steven A. Rosenberg, Richard A. Morgan, Timothy L. Frankel, and Peter Peng, employees of the National Institutes of Health, a component of the United States Department of Health and Human Services having an address at the Office of Technology Transfer, National Institutes of Health, 6011 Executive Boulevard, Suite 325, MSC 7660, Bethesda, MD 20892-7660, [hereinafter **The Inventors**], have executed an International Application for a U.S. patent having International Application Number PCT/US10/21909, filed January 25, 2010, and which is entitled "T CELL RECEPTORS AND RELATED MATERIALS AND METHODS OF USE" ("patent application") and;

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