

## PATENT ASSIGNMENT

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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>Hisataka Kobayashi</td><td>07/22/2011</td></tr><tr><td>Peter Choyke</td><td>07/22/2011</td></tr><tr><td>Makoto Mitsunaga</td><td>07/22/2011</td></tr><tr><td>Marcelino Bernardo</td><td>07/22/2011</td></tr></tbody></table>		Name	Execution Date	Hisataka Kobayashi	07/22/2011	Peter Choyke	07/22/2011	Makoto Mitsunaga	07/22/2011	Marcelino Bernardo	07/22/2011
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Hisataka Kobayashi	07/22/2011										
Peter Choyke	07/22/2011										
Makoto Mitsunaga	07/22/2011										
Marcelino Bernardo	07/22/2011										
RECEIVING PARTY DATA											
Name:	The United States of America, as represented by the Secretary, Department of Health and Human Services										
Street Address:	6011 Executive Boulevard, Suite 325, MSC 7660										
Internal Address:	Office of Technology Transfer, National Institutes of Health,										
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>Application Number:</td><td>13180111</td></tr></tbody></table>		Property Type	Number	Application Number:	13180111						
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Application Number:	13180111										
CORRESPONDENCE DATA											
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NAME OF SUBMITTER:	/Sheree Lynn Rybak, Ph.D./										
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PATENT

501609057

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**ASSIGNMENT FOR NIH/FDA INVENTIONS  
(NIH OR FDA AND SAIC-FREDERICK CO-INVENTORS)**

**WHEREAS**, I/we, **Hisataka Kobayashi**, **Peter Choyke**, and **Makoto Mitsunaga**, an employee/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, and, **Marcelino Bernardo** an employee of SAIC-Frederick, Inc., a subsidiary of Science Applications International Inc., a Delaware corporation having a principal place of business at 1050 Boyles Street, Bldg 428, Frederick, MD 21702-1201 [hereinafter **The Inventors**], have made certain inventions as described and claimed in:

U.S. Provisional Patent Application No. 61/363,079, filed on July 9, 2010, entitled  
"PHOTOSENSITIZING ANTIBODY-FLUOROPHORE CONJUGATE," and

U.S. Patent Application No. 13/180,111, filed on July 11, 2011, entitled  
"PHOTOSENSITIZING ANTIBODY-FLUOROPHORE CONJUGATES,"

both of which applications are collectively referred to herein as "the Applications"; and

**WHEREAS**, I/we are the applicant(s) named in the above-identified Applications; 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 §§200-202, §§206-§207, and §210 and 37 C.F.R. Part 501 and 37 Part 401 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 Applications;

**NOW, THEREFORE**, having the legal obligation to assign my/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, I/we hereby assign and transfer and acknowledge our assignment and transfer to **THE GOVERNMENT**:

the entire right, title, and interest in and to any and all inventions described and claimed in said Applications and any and all Letters Patent 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 Applications including but not limited to applications filed through the provisions of the Patent Cooperation Treaty ("PCT Applications"); and

all applications for Letters Patent that may be filed for any and all inventions described and claimed in said Applications that may be filed in any foreign country and all Letters Patents

that may be granted thereon in any foreign country and all extensions, renewals, and reissues thereof; and

any and all such Letters Patents as may be granted in the United States or any foreign country to be held by **THE GOVERNMENT** to the end of the term for which the same would have been held by the inventors had this assignment not been made.

I/we further agree to make, execute, and deliver to **THE GOVERNMENT**, upon request, any and all papers, documents, affidavits, or other instruments that may be necessary in the prosecution of any application or applications for improvements or reissues of Letters Patent, and to assist **THE GOVERNMENT** in every way as may be requested in protecting said invention. **THE GOVERNMENT** promises to pay any reasonable expenses incurred by **The Inventors** in the making, executing and delivering of such papers to **THE GOVERNMENT**.

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

Inventor: <b>Hisataka Kobayashi</b>	
Date <u>7-22-2011</u>	<u><i>Hisataka Kobayashi</i></u> Signature
County of <u>Montgomery</u>	
State of <u>Maryland</u>	
Subscribed and sworn to before me this <u>22<sup>nd</sup></u> day of <u>July</u> , 2011.	
Seal	Notary Public for <u>Hisataka Kobayashi</u> <u><i>Mari Kink</i></u> My Commission Expires: <u>June 1, 2014</u>

Inventor: <b>Peter Choyke</b>	
Date <u>7-22-2011</u>	<u><i>Peter Choyke</i></u> Signature
County of <u>Montgomery</u>	
State of <u>Maryland</u>	
Subscribed and sworn to before me this <u>22<sup>nd</sup></u> day of <u>July</u> , 2011.	
Seal	Notary Public for <u>Peter Choyke</u> <u><i>Mari Kink</i></u> My Commission Expires: <u>June 1, 2014</u>

Inventor: **Makoto Mitsunaga**

Date 7-22-2011

Makoto Mitsunaga  
Signature

County of Montgomery

State of Maryland

Subscribed and sworn to before me this 22<sup>nd</sup> day of July, 2011.

Seal

Notary Public for Makoto Mitsunaga  
Mari Shin  
My Commission Expires: June 1, 2014

Inventor: **Marcelino Bernardo**

Date 7-22-2011

MB Bernardo  
Signature

County of Montgomery

State of Maryland

Subscribed and sworn to before me this 22<sup>nd</sup> day of July, 2011.

Seal

Notary Public for Marcelino Bernardo  
Mari Shin  
My Commission Expires: June 1, 2014