

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3834023

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JAMES H. DOROSHOW	10/30/2014
THOMAS D. PFISTER	10/31/2014
ALLISON M. MARRERO	10/31/2014
RALPH E. PARCHMENT	10/31/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES
<b>Street Address:</b>	6011 EXECUTIVE BOULEVARD, SUITE 325, MSC 7660
<b>Internal Address:</b>	OFFICE OF TECHNOLOGY TRANSFER, NATIONAL INSTITUTES OF HEALTH
<b>City:</b>	BETHESDA
<b>State/Country:</b>	MARYLAND
<b>Postal Code:</b>	20892-7660
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15027997
<b>CORRESPONDENCE DATA</b>	
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<b>Correspondent Name:</b>	KLARQUIST SPARKMAN, LLP
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<b>ATTORNEY DOCKET NUMBER:</b>	4239-91933-03
<b>NAME OF SUBMITTER:</b>	SUSAN ALPERT SIEGEL
<b>SIGNATURE:</b>	/Susan Alpert Siegel/
<b>DATE SIGNED:</b>	04/18/2016

**Total Attachments: 4**

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**ASSIGNMENT FOR NIH/FDA/CDC INVENTIONS AIA  
(NIH OR FDA OR CDC AND LEIDOS BIOMEDICAL CO-INVENTORS ONLY)**

**WHEREAS**, I, James H. Doroshow, an employee of the National Institutes of Health, is employed by 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

Thomas D. Pfister, Allison M. Marrero, and Ralph E. Parchment, employees of Leidos Biomedical Research, Inc., a subsidiary of Leidos, Inc., a Delaware corporation having a principal place of business at 1050 Boyles Street, Bldg 428, Frederick, MD 21702-1201

have made certain inventions as described and claimed in:

U.S. Provisional Patent Application No. 61/893,070, filed on October 18, 2014, entitled "ANTIBODIES THAT SPECIFICALLY BIND ATAXIA TELANGIECTASIA-MUTATED AND RAD3-RELATED KINASE PHOSPHORYLATED AT POSITION 1989 AND THEIR USE,"

PCT Patent Application No. PCT/US2014/059759, filed on October 8, 2014, entitled "ANTIBODIES THAT SPECIFICALLY BIND ATAXIA TELANGIECTASIA-MUTATED AND RAD3-RELATED KINASE PHOSPHORYLATED AT POSITION 1989 AND THEIR USE,"

both of which are collectively referred to herein as "**The Patent Applications**"; and

**WHEREAS**, we are the inventors named in **The Patent Applications**; and

**WHEREAS**, the inventions described and claimed in **The Patent Applications** 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 U.S.C. §§200-201, §§206-207, and §210 and 37 C.F.R. 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 Applications**;

**NOW, THEREFORE**, having the legal obligation to assign our right, title and interest in the inventions described and claimed in **The Patent Applications** 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 to **THE GOVERNMENT**:

the entire right, title, and interest in and to any and all inventions described and claimed in **The Patent 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 **The Patent 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 **The Patent Applications** that may be filed in any foreign country and all Letters Patent that may be granted thereon in any foreign country and all extensions, renewals, and reissues thereof; and

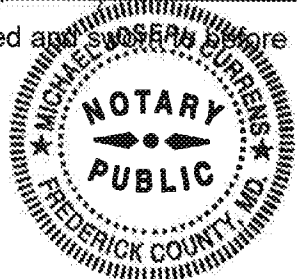
any and all such Letters Patent as may be granted in the United States or any foreign country to be held by **THE GOVERNMENT** to the end of the term for which the same would have been held by the inventor(s) had this assignment not been made.

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.

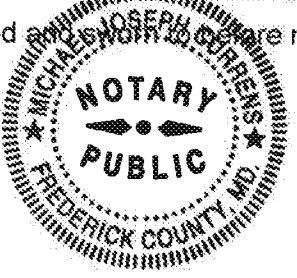
**IN WITNESS WHEREOF** we subscribe our hands and seals on the dates shown below:

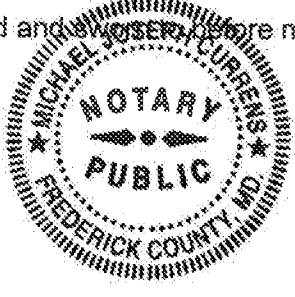
Inventor: James H. Doroshow	
Date <u>10/30/14</u>	X <u>James H. Doroshow</u> Inventor Signature
County of <u>Frederick</u>	
State of <u>MD</u>	
Subscribed and sworn to before me this <u>30</u> day of <u>October</u> , <u>2014</u>	
Seal	Notary Signature: <u>Michael J. Currens</u> Notary Public for the State of: <u>Maryland</u> My Commission Expires: <u>5/30/2016</u>

Inventor: Thomas D. Pfister	
Date <u>10/31/14</u>	X <u>T. Pfister</u> Inventor Signature
County of <u>Frederick</u>	
State of <u>Maryland</u>	
Subscribed and sworn to before me this <u>31</u> day of <u>October</u> , <u>2014</u> .	
Seal	Notary Signature: <u>Michael T. Currens</u> Notary Public for the State of <u>Maryland</u> My Commission Expires: <u>5/30/2016</u>



Inventor: Allison M. Marrero	
Date <u>10/31/2014</u>	X <u>Allison M. Marrero</u> Inventor Signature
County of <u>Frederick</u>	
State of <u>Maryland</u>	
Subscribed and sworn to before me this <u>31</u> day of <u>October</u> , <u>2014</u> .	
Seal	Notary Signature: <u>Michael T. Currens</u> Notary Public for the State of <u>Maryland</u> My Commission Expires: <u>5/30/2016</u>



Inventor: Ralph E. Parchment	
Date <u>10/31/2014</u>	x <u>Ralph E. Parchment</u> Inventor Signature
County of <u>Frederick</u>	
State of <u>Maryland</u>	
Subscribed and sworn to before me this <u>31</u> day of <u>October</u>	
Seal	Notary Signature: <u>Michael T. Curran</u>
	Notary Public for the State of: <u>Maryland</u>
	My Commission Expires: <u>5/30/2016</u>