

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2665135

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>ROBERT D. GOLDMAN</td> <td>01/13/2013</td> </tr> <tr> <td>TAKESHI SHIMI</td> <td>01/17/2013</td> </tr> <tr> <td>STEPHEN A. ADAM</td> <td>01/17/2013</td> </tr> </tbody> </table>		Name	Execution Date	ROBERT D. GOLDMAN	01/13/2013	TAKESHI SHIMI	01/17/2013	STEPHEN A. ADAM	01/17/2013		
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STEPHEN A. ADAM	01/17/2013										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Northwestern University</td> </tr> <tr> <td>Street Address:</td> <td>633 Clark Street</td> </tr> <tr> <td>City:</td> <td>Evanston</td> </tr> <tr> <td>State/Country:</td> <td>ILLINOIS</td> </tr> <tr> <td>Postal Code:</td> <td>60208</td> </tr> </table>		Name:	Northwestern University	Street Address:	633 Clark Street	City:	Evanston	State/Country:	ILLINOIS	Postal Code:	60208
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CORRESPONDENCE DATA											
<p>Fax Number: (608)662-1276</p> <p>Phone: 6086621277</p> <p>Email: sefilandrinos@casimirjones.com</p> <p><i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i></p> <p>Correspondent Name: JASON R. BOND</p> <p>Address Line 1: 2275 DEMING WAY, SUITE 310</p> <p>Address Line 4: MIDDLETON, WISCONSIN 53562</p>											
NAME OF SUBMITTER:	JASON R. BOND										
Signature:	/Jason R. Bond/										
Date:	01/02/2014										
<p>Total Attachments: 3</p> <p>source=32330US2PRO_Exec-Assignment#page1.tif</p> <p>source=32330US2PRO_Exec-Assignment#page2.tif</p> <p>source=32330US2PRO_Exec-Assignment#page3.tif</p>											

ASSIGNMENT

WHEREAS, WE, ROBERT D. GOLDMAN, TAKESHI SHIMI, and STEPHEN A. ADAM (hereinafter collectively referred to as ("ASSIGNORS")) have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

**Title of Patent Application: Biomarker for Replicative Senescence**  
**Application Filing Date: December 7, 2012 Serial No.: 61/734,676**

WHEREAS, Northwestern University, an Illinois not-for-profit corporation, having a place of business at 633 Clark Street, Evanston, Illinois 60208, hereinafter referred to as "ASSIGNEE," is desirous of acquiring the entire right, title and interest in said invention and application and in any Letters Patent which may be granted on the same;

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNORS have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said ASSIGNEE, and ASSIGNEE's successors and assigns, all right, title and interest in and to said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world, including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, or prolongations or extensions thereof, said interest to be held and enjoyed by said ASSIGNEE as fully and exclusively as it would have been held and enjoyed by said ASSIGNORS had this assignment and transfer not been made, to the full extent and term of any Letters Patent.

ASSIGNORS further agree that ASSIGNORS will, without charge to said ASSIGNEE, but at ASSIGNEE's expense, cooperate with ASSIGNEE in the prosecution of said application and/or applications; execute, verify, acknowledge, and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof; and perform such other acts as ASSIGNEE lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said ASSIGNEE, or ASSIGNEE's successors and assigns.

IN TESTIMONY WHEREOF, ASSIGNORS have hereunto signed ASSIGNORS' names to this Assignment on the date indicated below.

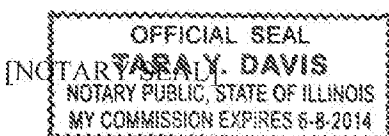
Robert D. Goldman Jan 17, 2012  
ROBERT D. GOLDMAN DATE

State of Illinois ss.  
County of Cook

On this 17th day of January, 2013, before me, a Notary Public in and for the County and State aforesaid, appeared, to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he or she executed said instrument as his or her free and voluntary act and for the uses and purposes therein expressed.

Tara Y. Davis  
NOTARY PUBLIC

My Commission Expires: 6-8-2014



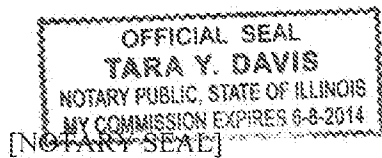
Assignment for Execution

Title of Patent Application: Biomarker for Replicative Senescence  
Application Filing Date: December 7, 2012 Serial No.: 61/734,676

Takeshi Shimi 1/17/13  
TAKESHI SHIMI DATE

State of Illinois ss.  
County of Cook

On this 17th day of January, 2013, before me, a Notary Public in and for the County and State aforesaid, appeared, to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he or she executed said instrument as his or her free and voluntary act and for the uses and purposes therein expressed.



Tara Y. Davis  
NOTARY PUBLIC  
My Commission Expires: 6-8-2014

Assignment for Execution

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Stephen A. Adam 1/17/13  
STEPHEN A. ADAM DATE

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