

## 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>Michael B. Fessler</td> <td>09/11/2013</td> </tr> <tr> <td>Jim J. Aloor</td> <td>09/11/2013</td> </tr> </tbody> </table>		Name	Execution Date	Michael B. Fessler	09/11/2013	Jim J. Aloor	09/11/2013
Name	Execution Date						
Michael B. Fessler	09/11/2013						
Jim J. Aloor	09/11/2013						
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>Application Number:</td> <td>13980097</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13980097		
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Application Number:	13980097						
CORRESPONDENCE DATA							
Fax Number:	2155683439						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
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Email:	assignments@woodcock.com						
Correspondent Name:	Julia Hackstie						
Address Line 1:	2929 Arch Street, 12th Floor						
Address Line 4:	Philadelphia, PENNSYLVANIA 19104-2891						
ATTORNEY DOCKET NUMBER:	NIHB-2611						
NAME OF SUBMITTER:	Julia C. Hackstie						
Signature:	/Julia C. Hackstie/						

Date:

09/24/2013

Total Attachments: 3

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**ASSIGNMENT**

**WHEREAS**, I/we, Michael B. Fessler and Jim J. Aloor, an employee/employees 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 made certain inventions as described and claimed in the U.S. Patent Application having United States Serial Number 13/980,097, and which is entitled "MODULATION OF LRCH4 ACTIVITY AND THERAPEUTIC APPLICATION THEREOF" ("U.S. Application") and;

**WHEREAS**, I/we are the applicant(s) named in the above-identified U.S. 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 U.S. Application; and

**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 to **THE GOVERNMENT**:

the entire right, title, and interest in and to any and all inventions described and claimed in said U.S. Application 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 U.S. Application 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 U.S. Application 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.

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

**Inventor 1:**

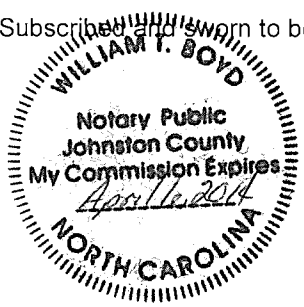
9/11/13  
Date

Michael B. Fessler  
Michael B. Fessler

County of Durham Ss:

State of North Carolina

Subscribed and sworn to before me this 11 day of September, 2013

[Seal] 

William T. Boyd  
Notary Public for Michael B Fessler  
My Commission Expires: April 6, 2014

**Inventor 2:**

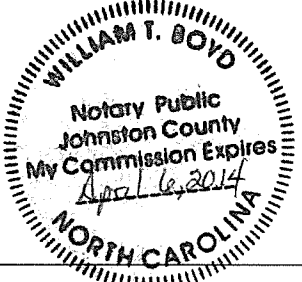
9.11.13  
Date

Jim J. Aloor  
Jim J. Aloor

County of Durham Ss:

State of North Carolina

Subscribed and sworn to before me this 11 day of September, 2013

[Seal] 

William T. Boyd  
Notary Public for Jim J Aloor  
My Commission Expires: April 6, 2014

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Attorney Docket No: NIHB-2611