

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Warren J. Leonard</td> <td>11/02/2005</td> </tr> <tr> <td>Peter Lipsky</td> <td>10/31/2005</td> </tr> <tr> <td>Herbert C. Morse III</td> <td>11/08/2005</td> </tr> <tr> <td>Catherine Rachel Ettinger</td> <td>12/01/2005</td> </tr> <tr> <td>Rosanne Spolski</td> <td>11/01/2005</td> </tr> </tbody> </table>		Name	Execution Date	Warren J. Leonard	11/02/2005	Peter Lipsky	10/31/2005	Herbert C. Morse III	11/08/2005	Catherine Rachel Ettinger	12/01/2005	Rosanne Spolski	11/01/2005
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RECEIVING PARTY DATA													
Name:	Government of the United States of America as represented by the Secretary of the Department of Health and Human Services, The												
Street Address:	6011 Executive Boulevard												
Internal Address:	National Institutes of Health, Office of Technology Transfer, Suite 325												
City:	Rockville												
State/Country:	MARYLAND												
Postal Code:	20852												
PROPERTY NUMBERS Total: 1													
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11197221</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11197221								
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CORRESPONDENCE DATA													
Fax Number:	(503)595-5301												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone:	5035955300												
Email:	greg.euteneier@klarquist.com												
Correspondent Name:	Klarquist Sparkman - Susan Alpert Siegel												
Address Line 1:	121 SW Salmon, Suite 1600												
Address Line 4:	Portland, OREGON 97204												
ATTORNEY DOCKET NUMBER:	4239-66179-03												

CH \$40.00 11197221

NAME OF SUBMITTER:

Susan Alpert Siegel

Total Attachments: 8

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ASSIGNMENT

We, Warren J. Leonard, of Bethesda, Maryland, a citizen of the United States of America, Peter Lipsky, of Rockville, Maryland, a citizen of the United States of America, Herbert C. Morse III, of Rockville, Maryland, a citizen of the United States of America, Catherine Rachel Ettinger, of Bethesda, Maryland, a citizen of the United States of America, and Rosanne Spolski, of Ellicott City, Maryland, a citizen of the United States of America, have invented a certain invention entitled METHOD OF INDUCING MEMORY B CELL DEVELOPMENT AND TERMINAL DIFFERENTIATION for which the following patent applications have been filed:

U.S. Provisional Patent Application No. 60/523,754, filed on November 19, 2003; and
PCT Application No. PCT/US04/039135 filed on November 18, 2004; and
U.S. Patent Application No. 11/197,221, filed August 3, 2005

all of which applications are collectively referred to herein as "the patent applications."

We were employed by the Department of Health and Human Services at the time the invention was made. The conditions under which said invention was made are such as to entitle the Government of the United States of America under Paragraph 1(a) of Executive Order 10096, to the entire right, title, and interest in the invention, in the United States and all other countries throughout the world.

In consideration of our obligations under Executive Order 10096, and other valuable consideration, we the undersigned, have sold, assigned, and transferred and do sell, assign, and transfer to The Government of the United States of America as represented by the Secretary of the Department of Health and Human Services (hereinafter THE GOVERNMENT), and successors and assigns, the full and exclusive right, title, and interest in the patent applications and invention throughout the United States of America, its territories and dependencies, and all other countries. This includes an assignment of all Letters Patent that may be granted on the invention in the United States of America and all countries throughout the world, and any divisional, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof; and the right to claim priority from the patent applications as provided for by United States law, the Patent Cooperation Treaty, the European Patent Convention, the Paris Convention, or other applicable law.

We authorize and request the issuance of said Letters Patent to THE GOVERNMENT as assignee of the entire right, title, and interest to be held as fully and entirely as the same would have been held by us had this assignment not been made.

We warrant that there are no outstanding assignments, grants, liens, encumbrances, or agreements either written, oral, or implied that will impair, diminish, limit, or abridge the interest herein conveyed at the time of the execution of the present assignment.

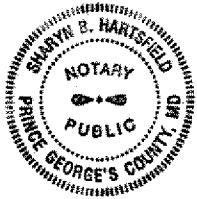
We also agree upon reasonable request to communicate to THE GOVERNMENT, its representatives, assigns or agents, any facts known to us respecting the invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, provide all requested documents, and do everything reasonably possible to aid THE GOVERNMENT and its assigns to obtain and enforce proper patent protection for the invention in the United States or any foreign country. These provisions are binding upon our heirs, legal representatives, administrators and assigns.

Dated: 11/1/2005

Rosanne Spolski
Rosanne Spolski

STATE OF Maryland
COUNTY OF Prince George's ss.

This 1 day of November, 2005, before me personally came the above-named Rosanne Spolski, who executed the foregoing Assignment in my presence, and who acknowledged to me that it was executed under that person's own free will for the purposes set forth therein.



SHARYN B. HARTSFIELD
NOTARY PUBLIC
PRINCE GEORGE'S COUNTY, MD
My Commission Expires
July 1, 2008

Sharyn B. Hartsfield
Notary Public for Prince George's County
My commission expires: 7/1/2008

ASSIGNMENT

We, Warren J. Leonard, of Bethesda, Maryland, a citizen of the United States of America, Peter Lipsky, of Rockville, Maryland, a citizen of the United States of America, Herbert C. Morse III, of Rockville, Maryland, a citizen of the United States of America, Catherine Rachel Ettinger, of Bethesda, Maryland, a citizen of the United States of America, and Rosanne Spolski, of Ellicott City, Maryland, a citizen of the United States of America, have invented a certain invention entitled METHOD OF INDUCING MEMORY B CELL DEVELOPMENT AND TERMINAL DIFFERENTIATION for which the following patent applications have been filed:

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WDN/SAS:cas 4239-66179-03 E-120-2003/2-US-01 10/26/05

Dated: _____

Herbert C. Morse III

Herbert C. Morse III

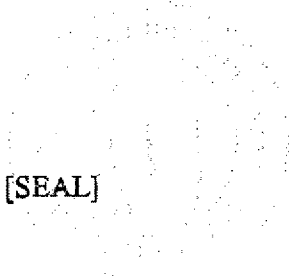
STATE OF MARYLAND)

COUNTY OF MONTGOMERY) ss.

This 8 day of Nov, 2005, before me personally came the above-named Herbert C. Morse, who executed the foregoing Assignment in my presence, and who acknowledged to me that it was executed under that person's own free will for the purposes set forth therein.

[Signature]

Notary Public for 07/01/06
My commission expires:



[SEAL]

Dated: _____

Catherine Rachel Ettinger

STATE OF _____)

COUNTY OF _____) ss.

This ___ day of _____, _____, before me personally came the above-named Catherine Rachel Ettinger, who executed the foregoing Assignment in my presence, and who acknowledged to me that it was executed under that person's own free will for the purposes set forth therein.

Notary Public for _____
My commission expires:

[SEAL]

