

PATENT ASSIGNMENT COVER SHEET

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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>JESUS G. VALENZUELA</td> <td>08/24/2004</td> </tr> <tr> <td>JOSE M.C. RIBEIRO</td> <td>06/28/2005</td> </tr> </tbody> </table>		Name	Execution Date	JESUS G. VALENZUELA	08/24/2004	JOSE M.C. RIBEIRO	06/28/2005
Name	Execution Date						
JESUS G. VALENZUELA	08/24/2004						
JOSE M.C. RIBEIRO	06/28/2005						
RECEIVING PARTY DATA							
Name:	THE GOVERNMENT OF THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY OF THE DEPARTMENT OF HEALTH AND HUMAN SERVICES						
Street Address:	6011 EXECUTIVE BOULEVARD, SUITE 325						
Internal Address:	OFFICE OF TECHNOLOGY TRANSFER, NATIONAL INSTITUTES OF HEALTH						
City:	ROCKVILLE						
State/Country:	MARYLAND						
Postal Code:	20852						
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>14097991</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14097991		
Property Type	Number						
Application Number:	14097991						
CORRESPONDENCE DATA							
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Correspondent Name:	JODI L. CONNOLLY, KLARQUIST SPARKMAN LLP						
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Address Line 2:	ONE WORLD TRADE CENTER						
Address Line 4:	PORTLAND, OREGON 97204-2988						
ATTORNEY DOCKET NUMBER:	4239-67028-18						
NAME OF SUBMITTER:	JODI L. CONNOLLY						
Signature:	/Jodi L. Connolly/						

PATENT

Date:

01/09/2014

Total Attachments: 4

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ASSIGNMENT

We, Jesus G. Valenzuela, of Rockville, Maryland, a citizen of the United States of America, and Jose M.C. Ribeiro, of Rockville, Maryland, a citizen of the United States of America, have invented with others a certain invention entitled LUTZOMYIA LONGIPALPIS POLYPEPTIDES AND METHODS OF USE for which the following patent applications have been filed:

U.S. Provisional Patent Application No. 60/422,303, filed on October 29, 2002; and
PCT Application No. PCT/US2003/034453 filed on October 29, 2003;

both 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.

We have authorized THE GOVERNMENT to file and prosecute the patent applications, as well as any corresponding international or national applications that claim priority from them. THE GOVERNMENT has the right to select attorneys or agents of its choice to prosecute at its discretion the patent applications on its behalf.

We grant the law firm of Klarquist Sparkman, LLP, the power to insert on this Assignment any further information that may be necessary or desirable in order to comply with all applicable legal requirements, including the rules of the United States Patent and Trademark Office, for submitting and recording this document.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: 08-24-2004

[Signature]
Jesus G. Valenzuela

STATE OF MARYLAND)
COUNTY OF Montgomery) ss.

This 24 day of August, 2004, before me personally came the above-named Jesus G. Valenzuela, 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 _____
My commission expires 2-April 2005

[SEAL]

Dated: _____

Jose M.C. Ribeiro

STATE OF _____)
COUNTY OF _____) ss.

This ____ day of _____, _____, before me personally came the above-named Jose M.C. Ribeiro, 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]

ASSIGNMENT

We, Jesus G. Valenzuela, of Rockville, Maryland, a citizen of the United States of America, and Jose M.C. Ribeiro, of Rockville, Maryland, a citizen of the United States of America, have invented with others a certain invention entitled LUTZOMYIA LONGIPALPIS POLYPEPTIDES AND METHODS OF USE for which the following patent applications have been filed:

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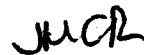
In consideration of our obligations under Executive Order 10096, and other valuable consideration, we the undersigned, have sold, assigned, and transferred and do sell, assign, and transfer to The Government of the United States of America as represented by the Secretary of the Department of Health and 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.

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IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: _____

Jesus G. Valenzuela

STATE OF _____)
) ss.
COUNTY OF _____)

This ___ day of _____, _____, before me personally came the above-named Jesus G. Valenzuela, 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]

Dated: 6/28/05

Jose M.C. Ribeiro
Jose M.C. Ribeiro
Jose M.C. Ribeiro

STATE OF _____)
) ss.
COUNTY OF _____)

Witness: John F. Andersen
Eric Calu ERIC CALU

This ___ day of _____, _____, before me personally came the above-named Jose M.C. Ribeiro, 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]