# PATENT ASSIGNMENT

# Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

## **CONVEYING PARTY DATA**

Name	Execution Date
Jesus G. Valenzuela	06/02/2004
Yasmine Belkaid	08/27/2004
Shaden Kamhawi	06/02/2004
David Sacks	06/07/2004
Jose M.C. Ribeiro	06/24/2004

#### **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, MSC 7660
Internal Address:	Office of Technology Transfer, National Institutes of Health
City:	Bethesda
State/Country:	MARYLAND
Postal Code:	20852

# PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13711167

## **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER: 4239-67347-04

PATENT REEL: 029590 FRAME: 0120 13711167

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NAME OF SUBMITTER:	Jodi L. Connolly
Total Attachments: 6 source=67347-04_Assignment#page1.tif source=67347-04_Assignment#page2.tif source=67347-04_Assignment#page3.tif source=67347-04_Assignment#page4.tif source=67347-04_Assignment#page5.tif source=67347-04_Assignment#page6.tif	

### **ASSIGNMENT**

We, Jesus G. Valenzuela, of Rockville, Maryland, a citizen of the United States of America, Yasmine Belkaid, of Norwood, Ohio, a citizen of France, Shaden Kamhawi, of Rockville, Maryland, a citizen of Jordan, David Sacks, of Silver Spring, Maryland, a citizen of the United States of America, and José M.C. Ribeiro, of Rockville, Maryland, a citizen of the United States of America, have invented a certain invention entitled ANTI-ARTHROPOD VECTOR VACCINES, METHODS OF SELECTING AND USES THEREOF for which the following patent applications have been filed:

U.S. Provisional Patent Application No. 60/299,391, filed on June 19, 2001; PCT Application No. PCT/US02/19663 filed on June 18, 2002; and

U.S. Application No. 10/481,180 filed on December 17, 2003;

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.

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: 06/02/2004	Jesus O. Valenzuela
STATE OF MARylund)	O .
COUNTY OF (Square)	, before me personally came the above-named Jesus
June 352	
This 2"day of 7704, 2000	1_, before me personally came the above-named Jesus signment in my presence, and who acknowledged to me
that it was executed under that person's own fr	signment in my presence, and who acknowledged to me
	Notary Public for ERNEST B. KUITCHOUA  My commission existes. Public, State of Maryland  My Commission Expires June 14, 2006
[SEAL]	
Dated:	Yasmine Belkaid
	1 willing believed
STATE OF	
) ss. COUNTY OF)	
This day of, Yasmine Belkaid, who executed the foregoing me that it was executed under that person's ow	, before me personally came the above-named Assignment in my presence, and who acknowledged to on free will for the purposes set forth therein.
	Notary Public for
	My commission expires:
[SEAL]	

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:	
	Jesus G. Valenzuela
STATE OF) ss. COUNTY OF)	
COUNTY OF)	
This day of,, G. Valenzuela, who executed the foregoing As that it was executed under that person's own fr	, before me personally came the above-named Jesus signment in my presence, and who acknowledged to me ree will for the purposes set forth therein.
	Notary Public for My commission expires:
[SEAL]	
Dated:	Yasmine Belkaid
STATE OF () S () ss. 215 47	,
) ss. 215 47  COUNTY OF USQ )	0681
This 27 day of August, 2004 Yasmine Belkaid, who executed the foregoing me that it was executed under that person's or	, before me personally came the above-named Assignment in my presence, and who acknowledged to wn free will for the purposes set forth therein.
	Notary Public for 09 2007 My commission expires:
[SEAL]	

ASSIGNMENT - Page 2 of 3

WDN/SAS:gtc 4239-67347 E-122-2001/O-U 05/11/04	1 000 1
Dated: June 2nd, 2004	Made
STATE OF Man lan. L)	Shaden Kamhawi
COUNTY OF Mendre )	, before me personally came the above-named Shaden
This 2 day of June 1400	hefore me nerconally come the shows named Chaden
Kamhawi, who executed the foregoing Assignment was executed under that person's own free w	near in my presence, and who acknowledged to me that
	C1
	Notary Public forGITA C SHAH
[SEAL]	My commission Expires July 24, 2004
Dated:	
	David Sacks
STATE OF) ss.	
COUNTY OF)	
This day of, Sacks, who executed the foregoing Assignmen was executed under that person's own free will	, before me personally came the above-named David t in my presence, and who acknowledged to me that it for the purposes set forth therein.
	N. A
	Notary Public for My commission expires:
[SEAL]	
Dated:	
CT ATE OF	José M.C. Ribeiro
STATE OF) ss.	
COUNTY OF)	
This day of , , , , , , , M.C. Ribeiro, who executed the foregoing Ass that it was executed under that person's own fi	, before me personally came the above-named José signment in my presence, and who acknowledged to me see will for the purposes set forth therein.
	Notary Public for

Dated:	
	Shaden Kamhawi
STATE OF)	
COUNTY OF) 88.	
This day of, Kamhawi, who executed the foregoing Assi	, before me personally came the above-named Shaden gnment 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
INE AT 1	My commission expires:
[SEAL]	$\cap$
Dated: 06/07/04	Donal Secl
· · · · · · · · · · · · · · · · · · ·	David Sacks
STATE OF MARYLIMID)	
) ss. COUNTY OF MONTGOMERY	
Sacks, who executed the foregoing Assignment was executed under that person's own free versions and the same of th	by, before me personally came the above-named David then in my presence, and who acknowledged to me that it will for the purposes set forth therein.
	Notary Public for
[SEAL]	My commission expires:  This Commission Expires 8/15/05
Dated:	
Om 4 mm OD	José M.C. Ribeiro
STATE OF)	
COUNTY OF	
· · · · · · · · · · · · · · · · · · ·	
This day of,, M.C. Ribeiro, who executed the foregoing A	, before me personally came the above-named José Assignment in my presence, and who acknowledged to me in free will for the purposes set forth therein.
This day of,, M.C. Ribeiro, who executed the foregoing	Assignment in my presence, and who acknowledged to me
This day of,, M.C. Ribeiro, who executed the foregoing A	Assignment in my presence, and who acknowledged to me

[SEAL]

WDN/SAS:gte 4239-67347 E-122-2001/O-US

Dated:	
STATE OF)	Shaden Kamhawi
) 88. COUNTY OF)	
Kamhawi, who executed the foregoing A	, before me personally came the above-named Shaden Assignment in my presence, and who acknowledged to me that free will for the purposes set forth therein.
[SEAL]	Notary Public for My commission expires:
Dated:	
STATE OF) ss.  COUNTY OF)	David Sacks
This day of, Sacks, who executed the foregoing Assi was executed under that person's own fr	, before me personally came the above-named David gnment in my presence, and who acknowledged to me that it ree will for the purposes set forth therein.
[SEAL]	Notary Public for My commission expires:
Dated: 6/24/2004	Jose M.C. Riber N
STATE OF $\mathbb{M}^{\mathbb{D}}$	José M.C. Ribeiro
STATE OF MD ) ss. COUNTY OF MALYONERS	
This 24 day of 10mc, M.C. Ribeiro, who executed the foregoin	2004, before me personally came the above-named José ng Assignment in my presence, and who acknowledged to me own free will for the purposes set forth therein.
	Muilelure ERNEST B. KUITCHOUA

Notary Public for

[SEAL]

**RECORDED: 01/08/2013** 

**PATENT** 

REEL: 029590 FRAME: 0127

Notary Public for Notary Public, State of Maryland My commission expirity Commission Expires June 14, 2008