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		09-15-2005				
•	RECORDATION FORM C					
•	DIRECTOR OF PATENTS AND TRADEMARKS P.O. BOX 1450	S.C.				
-	ALEXANDRIA, VA 22313-1450	103082220	e (5)			
	1. Total number of pages including cover sheet, attachments and document: Five (5)					
	2. Name of Conveying Party(ies) and Execution Date	e(s) of Document(s)	eck here if additional name(s) attached			
	Name(s): (1) Hsi Liu, (2) Bret M. Steiner and (3)	() () =	(-)			
	Execution Date(s): (1) February 20, 2002, (2)February 20, 2002 and (3) February 8, 2002					
	3. Name and address of receiving party		nal name(s) & address(es) are attached			
	Name The Government of the United States of America as represented by the Secretary of the Department of Health and Human Services, Centers for Disease Control and Prevention					
	Address Technology Transfer Office 4770 Buford Hwy (K79)					
	City Atlanta State/Country	GA	Zip 30341			
۱	4. Nature of Conveyance					
35	Assignment Merger Security Agree		Other:			
1.0	5. Total number of applications and patents involved	l: One (1)				
- 6	6. Total Fee Enclosed (37 C.F.R. § 3.41): \$40.00					
6	7. Check here if any deficiency/overpayment is authorized to be charged to deposit account 02-4550					
	<ul> <li>8. Enter either the Execution date (of the Declaration and Power of Attorney), Application Number, or the Patent Number. Do not enter more than one number for the same patent.</li> <li>A. A. This document is being filed with a new application. Execution date is: February 8, 2002 and February 20, 2002</li> <li>B. Patent Application No.(s) or Patent No.(s):</li> <li>Check here if additional numbers are attached</li> </ul>					
	9. Correspondent's name, address, and telephone num					
	Debra A. Gordon, Ph.D.	libei				
	Klarquist Sparkman, LLP					
	One World Trade Center, Suite 1600					
	121 S.W. Salmon Street					
	Portland, Oregon 97204-2988 Telephone: 503-226-7391					
	Facsimile: 503-228-9446					
	10. 🛛 Please return the attached postcard to confirm	m that these items have bee	n received.			
	11. Statement and signature To the best of my knowled		information is true and			
	Debra A. Gordon, Ph.D. Debra A. Gordon, Ph.D.	indim	September 6, 2005			
	Name of Person Signing S	ignature	Date			
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	2/2005 SSESHE1 00000014 11221263 C:8021 40.00 DP					
(	cc: Client V Docketing					
	Accounting (only if via fax)					

## ASSIGNMENT

WHEREAS, we, Hsi Liu, of 2077 Carthage Road, Tucker, Georgia 30084, a citizen of the United States of America, Bret M. Steiner, of 3075 Rockaway Road, Chamblee, Georgia 30341, a citizen of the United States of America, and Berta Rodes, of C/ La Hiruela, 1 Piso 8-7, E-28035 Madrid, SPAIN, a citizen of Spain, employees of the Department of Health and Human Services at the time the invention was made, have invented COMPOSITIONS AND METHODS FOR DETECTING TREPONEMA PALLIDUM for which the following patent applications have been filed:

U.S. Provisional Patent Application No. 60/138,981, filed on June 14, 1999;

PCT Application No. PCT/US00/16425, filed on June 14, 2000; and

U.S. Application No. 10/017,168, filed on December 14, 2001.

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

WHEREAS, 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 herein, both domestic and foreign; and

WHEREAS, the Government of the United States of America is desirous of acquiring all domestic and foreign right, title, and interest in the aforesaid invention described in the aforesaid application for Letters Patent of the United States of America; and

NOW, THEREFORE, to all whom it may concern, be it known for and in consideration of the premises and other valuable considerations, we the undersigned, have sold, assigned, and transferred and by these presents do sell, assign, and transfer unto The Government of the United States of America as represented by the Secretary of the Department of Health and Human Services, Centers for Disease Control and Prevention (hereinafter THE GOVERNMENT), and their successors, the full and exclusive right, title, and interest throughout the United States of America, its territories and dependencies, and within each and every foreign country in which THE GOVERNMENT elects to file patent applications on the invention described in the aforesaid patent applications, all rights in the invention and the patent applications, and all Letters Patents and Registrations which may be granted on the same in the United States of America and all countries throughout the world, and to claim the priority from the applications as provided by United States law and the Paris Convention, or of any divisional, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

AND, we hereby authorize and request the Commissioner for Patents to issue said Letters Patent to THE GOVERNMENT as an assignee of the entire right, title, and interest in and to the same throughout the United States of America, its territories and dependencies, and within each and every foreign country in which THE GOVERNMENT elects to file, for the sole use for the full term or terms for which said Letters Patent and Registrations may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof which may be granted as fully and entirely as the same would have been held by us, had this assignment not been made;

AND, we hereby warrant that there are no outstanding assignments, grants, liens, encumbrances, or agreements either written, oral, or implied with respect to the aforesaid application for Letters Patent

ASSIGNMENT - PAGE 1 OF 3



AND, we hereby agree to execute any and all applications for Letters Patent in the United States of America and foreign countries, and to furnish and deliver to the Secretary, Department of Health and Human Services, upon request, all data and documents, and to execute any papers which may be necessary for the prosecution of any application or applications of Letters Patent or for THE GOVERNMENT to exercise its rights granted hereunder, including communicating to THE GOVERNMENT, its representatives or agents, any facts relating to said invention, including evidence for interference purposes, or for other proceedings, whenever requested, to testify in any interference or other proceedings, whenever requested, and to execute and deliver on request all lawful papers required to make any of the foregoing provisions effective, and likewise make these provisions binding upon our heirs, legal representatives, administrators and assigns, and we shall assist THE GOVERNMENT in every way as may be requested in protecting said invention, provided that any expense of extending such assistance shall be paid by THE GOVERNMENT.

We hereby grant the law firm of Klarquist Sparkman, LLP, the power to insert on this Assignment any further information which 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: _ Feb20, 2002		
		Hsi I
STATE OF <u>G</u> A	)	
country of Cumpett	) ss. )	

This 20 day of <u>Felopuland</u>, 2002, before me personally came the above-named Hsi Liu, who executed the foregoing Assignment in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

Notary Public for My commission expires:

[SEAL]

## ASSIGNMENT - PAGE 2 OF 3

TMH/jlb:eb 01/18/02 6395-61666 I-040-98/1

Dated: \_ 20/07

Steiner

STATE OF 9 A	)	
COUNTY OF Guinnet	) )	SS.

This 20 day of Feb This 2000 day of  $\underline{Feb}$ , 2002, before me personally came the above-named Bret M. Steiner, who executed the foregoing Assignment in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

Notary Public for My commission expires:

[SEAL]

Dated:

Berta Rodes

STATE OF ) SS. COUNTY OF

\_\_\_\_, 2002 , before me personally came the above-named This day of Berta Rodes, who executed the foregoing Assignment in my presence, and who acknowledged to me that she executed the same of her own free will for the purposes set forth therein.

> Notary Public for My commission expires:

[SEAL]

ASSIGNMENT - PAGE 3 OF 3

TMH/jlh:cb	01/18/02	6395-61666	<b>I-040-98/</b> 1	
Dated:				Bret M. Steiner
)				Diet M. Senti
STATE	OF		)	
COUNT	Y OF		) S	•

This \_\_\_\_\_\_ day of \_\_\_\_\_\_, 2002 , before me personally came the above-named Bret M. Steiner, who executed the foregoing Assignment in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

Notary Public for My commission expires:

[SEAL]

Dated: 8-2-02

Berta Rodes

STATE OF ) SS. COUNTY OF SPAIN

This 8 day of <u>February</u>, 2002, before me personally came the above-named Berta Rodes, who executed the foregoing Assignment in my presence, and who acknowledged to me that she executed the same of her own free will for the purposes set forth therein.

> Notary Public for My commission expires:

[SEAL]

-or conocilinemo de la firma de <u>BERTA RODES</u> SOLTEVILA. DEL 33537375 S y a este sólo efecto Caia de Ahorros y Pensiones de Barcelor Chantada 1782

Chántaoa 1782 directo de la oficia

ASSIGNMENT - PAGE 3 OF 3

PATENT REEL: 016969 FRAME: 0257

## **RECORDED: 09/06/2005**