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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:			NEW ASSIGNMENT		
NATURE OF CONVEYANCE:			ASSIGNMENT		
CONVEYING PART	Y DATA		J.		
		N	Name	Execution Date	
BENJAMIN J. LUFT				09/15/2003	
RECEIVING PARTY	'DATA				
Name:	RESEARCH F	OUNDA	ATION OF THE STATE UNIVERSITY OF NEW	YORK	
Street Address:	N5002 MELVI	N5002 MELVILLE LIBRARY			
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PATENT REEL: 031895 FRAME: 0854

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<u>ASSIGNMENT</u>

WHEREAS, I, Benjamin J. Luft, together with co-inventors, John J. Dunn, Shohei Koide and Catherine L. Lawson, have invented a certain improvement in Altered OSPA of *Borrelia burgdorferi*, described in an application for Letters Patent of the United States, the specification of which:

	is being executed on even date herewith and is about to be filed in the United States Patent Office;
[X]	was filed on February 18, 2003 as Application No. 10/369,339;
[]	was patented under U.S. Patent No. [] on [].

WHEREAS, Research Foundation of the State University of New York (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the State of New York and having a usual place of business at N5002 Melville Library, Stony Brook, New York 11794-3369 desires to acquire an interest therein in accordance with agreements duly entered into with me;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, I have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, my entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with my entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by me had this assignment and sale not been made; I hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. I hereby acknowledge that this assignment, being of my entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, I hereby further agree for myself and my executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, a reissue, divisional or continuation applications and preliminary or other statements and the giving

PATENT REEL: 031895 FRAME: 0855 of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, I do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my seal the date

Inventor's Signature:

Benjamin J. Luft

State/Commonwealth

of Mew Tynh

County of Suffeld

Then personally appeared before me the above-named Benjamin J. Luft and acknowledged that he executed the foregoing instrument as his free act and deed this 15 the day of Aplember , 20 03.

(SEAL)

Marily J. Bill TTA (print name)

My Commission expires 9/30/66

@PFDesktop\::ODMA/MHODMA/iManage;382691;1

set forth below.

PATENT REEL: 031895 FRAME: 0856

RECORDED: 01/06/2014