

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3438184

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SAMUEL LAI	03/22/2014
ARTHI KANNAN	06/11/2015
KENETTA NUNN	05/07/2015
DURAI BABU SUBRAMANI	05/26/2015
RECEIVING PARTY DATA	
Name:	THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL
Street Address:	100 EUROPA DRIVE
Internal Address:	SUITE 430
City:	CHAPEL HILL
State/Country:	NORTH CAROLINA
Postal Code:	27517
PROPERTY NUMBERS Total: 1	
Property Type	Number
PCT Number:	US2013067328
CORRESPONDENCE DATA	
Fax Number:	(919)854-1401
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	919-854-1400
Email:	bmedlin@myersbigel.com
Correspondent Name:	MYERS BIGEL SIBLEY & SAJOVEC, PA
Address Line 1:	PO BOX 37428
Address Line 4:	RALEIGH, NORTH CAROLINA 27627
ATTORNEY DOCKET NUMBER:	5470-682WO
NAME OF SUBMITTER:	BETTY-LOU MEDLIN
SIGNATURE:	/bettyloumedlin/
DATE SIGNED:	07/14/2015
Total Attachments: 7	
source=5470682WO_UNCAssn#page1.tif	

source=5470682WO_UNCAssn#page2.tif

source=5470682WO_UNCAssn#page3.tif

source=5470682WO_UNCAssn#page4.tif

source=5470682WO_UNCAssn#page5.tif

source=5470682WO_UNCAssn#page6.tif

source=5470682WO_UNCAssn#page7.tif

PATENT

REEL: 036082 FRAME: 0052

ASSIGNMENT

THIS ASSIGNMENT, made by us, **Samuel Lai**, a citizen of Canada, residing at 106 Oak Spring Ct, Carrboro, NC 27510; **Arthi Kannan**, a citizen of the United States of America, residing at 02-521, Blk 303, Clementi Avenue 4, Singapore, 120303; **Kenetta Nunn**, a citizen of the United States of America, residing at 3325 Coachmans Way, Durham, North Carolina 27705; and **Durai Babu Subramani**, a citizen of India, residing at 1521 E. Franklin Street #C206, Chapel Hill, North Carolina 27514;


WITNESSETH: That,

WHEREAS, we are the joint inventors, along with Ying-Ying Wang and Richard Cone, of certain new and useful improvements in **COMPOSITIONS AND METHODS FOR INHIBITING PATHOGEN INFECTION** for which U.S. Provisional Application No. 61/719,689 was filed on October 29, 2012 in the United States Patent and Trademark Office and PCT International Application No. PCT/US2013/067328 was filed on October 29, 2013 in the United States Patent and Trademark Office; and

WHEREAS, **The University of North Carolina at Chapel Hill**, a constituent institution of The University of North Carolina and an educational institution chartered under the laws of the State of North Carolina having a principal place of business at 100 Europa Drive, Suite 430, Chapel Hill, North Carolina 27517, hereinafter referred to as assignee, is desirous of acquiring the entire right, title and interest in and to said invention as described in said applications, and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries;

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold and by these presents do hereby sell, assign, transfer and convey unto said assignee, its successors and assigns, the entire right, title, and interest in and to the said invention and applications, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues or other forms of protection thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted along with any term extensions thereon or therefor, together with the right to claim the priority of said applications in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

ASSIGNMENT

THIS ASSIGNMENT, made by us, **Samuel Lai**, a citizen of Canada, residing at 106 Oak Spring Ct, Carrboro, NC 27510; **Arthi Kannan**, a citizen of the United States of America, residing at 359 Longmillgate Road, Morrisville, North Carolina 27560; **Kenetta Nunn**, a citizen of the United States of America, residing at ~~3325 Coachmans Way, Durham, North Carolina 27705~~ ^{113 STYNER AVE Apt 12, Moscow, ID 83843}  5/7/15; and **Durai Babu Subramani**, a citizen of India, residing at 1521 E. Franklin Street #C206, Chapel Hill, North Carolina 27514;

WITNESSETH: That,

WHEREAS, we are the joint inventors, along with Ying-Ying Wang and Richard Cone, of certain new and useful improvements in **COMPOSITIONS AND METHODS FOR INHIBITING PATHOGEN INFECTION** for which for which U.S. Provisional Application No. 61/ 719,689 was filed on October 29, 2012 in the United States Patent and Trademark Office and PCT International Application No. PCT/US2013/067328 was filed on October 29, 2013 in the United States Patent and Trademark Office; and

WHEREAS, **The University of North Carolina at Chapel Hill**, a constituent institution of The University of North Carolina and an educational institution chartered under the laws of the State of North Carolina having a principal place of business at 308 Bynum Hall, Campus Box 4105, Chapel Hill, North Carolina, hereinafter referred to as assignee, is desirous of acquiring the entire right, title and interest in and to said invention as described in said applications, and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries;

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold and by these presents do hereby sell, assign, transfer and convey unto said assignee, its successors and assigns, the entire right, title, and interest in and to the said invention and applications, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues or other forms of protection thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted along with any term extensions thereon or therefor, together with the right to claim the priority of said applications in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

We hereby request that said Letters Patent be issued in accordance with this assignment.

We further covenant and agree that, at the time of the execution and delivery of these presents, we possess full title to the invention and applications above-mentioned, and that we have the unencumbered right and authority to make this assignment.

We further covenant and agree to promptly communicate to said assignee or its representatives any facts known to us relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the assignee, its representatives, successors, or assigns to secure patent or similar protection for the said invention in all countries and to vest in the assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said assignee, its successors, assigns, and other legal representatives; and we hereby instruct, and further covenant and agree to bind our heirs, legal representatives, and assigns, to do same, without further compensation, but at the expense of said assignee or its representatives.

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 22 day of

March, 2014.

Samuel Lai (SEAL)

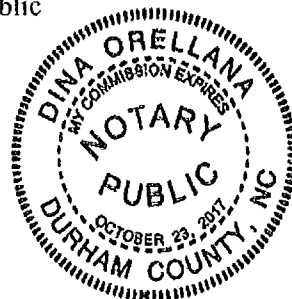
STATE OF North Carolina
COUNTY OF Orange

Before me personally appeared the person described in and who executed the foregoing instrument, and s/he acknowledged to me that s/he executed the same for the purposes therein stated, this 22nd day of March, 2014.

[Signature]
Notary Public

SEAL

My Commission Expires: 10/23/2017



IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 11 day of
June, 2015.

K. Arthi (SEAL)
Arthi Kannan

Witnessed By: P. N. Nataraj

 Date: 11th June, 2015

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 7 day of

May, 2015.

Kenetta Nunn (SEAL)
Kenetta Nunn

STATE OF Idaho)

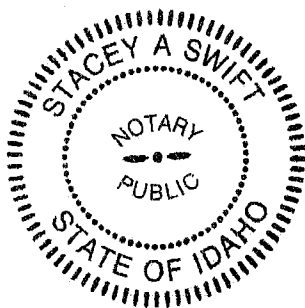
COUNTY OF Latah)

Before me personally appeared the person described in and who executed the foregoing instrument, and s/he acknowledged to me that s/he executed the same for the purposes therein stated, this 7 day of May, 2015.

Stacey Swift
Notary Public

SEAL

My Commission Expires: 06/02/2020



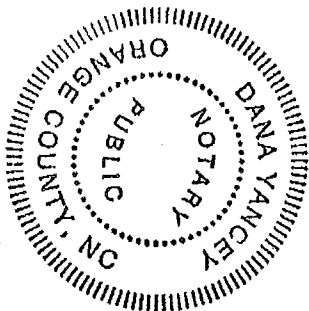
IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 26 day of
May 2014, 2015
D. D. Subramani (SEAL)
Durai Babu Subramani

STATE OF North Carolina
COUNTY OF Orange

Before me personally appeared the person described in and who executed the foregoing
instrument, and s/he acknowledged to me that s/he executed the same for the purposes therein
stated, this 26 day of May, 2014, 2015

SEAL

My Commission Expires: August 11 2018



WHEREBY The University of North Carolina at Chapel Hill acknowledges and accepts the assignment;

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 12th day of June, 2015. The undersigned warrants and represents that he/she has the authority to sign this Assignment on behalf of the Assignee, The University of North Carolina at Chapel Hill.

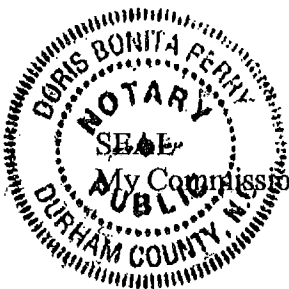
By: Jacqueline Quay (SEAL)

Title: Jacqueline Quay

STATE OF NORTH CAROLINA)

COUNTY OF ORANGE)

Before me personally appeared the person described in and who executed the foregoing instrument, and he/she acknowledged to me that he/she executed the same for the purposes therein stated, this 12th day of June, 2015.



Doris Bonita Perry
Notary Public

My Commission Expires: June 28, 2015