

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Walter Bottje	04/23/2009
Billy Hargis	04/23/2009
Young Min Kwon	05/07/2009
Kimberly Cole	06/03/2009
Mandy Cox	06/11/2010
Sherryl Layton	05/12/2009
RECEIVING PARTY DATA	
Name:	The Board of Trustees of the University of Arkansas
Street Address:	2404 North University
City:	Little Rock
State/Country:	ARKANSAS
Postal Code:	72207
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12740631
CORRESPONDENCE DATA	
Fax Number:	(414)271-5770
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	(414) 271-7590
Email:	tvanheyningen@andruslaw.com
Correspondent Name:	Tambryn K. VanHeyningen
Address Line 1:	100 East Wisconsin
Address Line 2:	Suite 1100
Address Line 4:	Milwaukee, WISCONSIN 53704
ATTORNEY DOCKET NUMBER:	5658-00003

CH \$40.00 12740631

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**PATENT
 REEL: 024532 FRAME: 0031**

NAME OF SUBMITTER:

Tambryn K. VanHeyningen

Total Attachments: 5

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ASSIGNMENT

Pursuant to our obligation to THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ARKANSAS (hereinafter referred to as "Assignee"), having its principal place of business at:
2404 North University
Little Rock, AR 72207

and for other valuable and sufficient consideration, receipt whereof is hereby acknowledged,
we:

Walter Bottje
3841 East Skillern Road
Fayetteville, AR 72703

Billy Hargis
3329 Oakland Zion Road
Fayetteville, AR 72703

Luc Berghman
1007 Glade Street
College Station, TX 77840

Young Min Kwon
288 Colorado Avenue
Springdale, AR 72764

Kimberly Cole
22840 Johnson Road
Raymond, OH 43067

Mandy Cox
705 Putman #J2
Fayetteville, AR 72701

Sherryll Layton
1947 North Albany Lane
Fayetteville, AR 72704

confirm our obligation to and effective as of October 30, 2008 and hereby sell, assign and convey, unto Assignee, its successors and assigns, our entire right, title and interest –

(1) in and to an invention entitled COMPOSITIONS AND METHODS OF ENHANCING IMMUNE RESPONSES TO FLAGELLATED BACTERIUM (Atty. File No. 013961-9037-US01) the specification of which was filed with my authority on October 30, 2008 as International Patent Application No. PCT/US2008/081813 (hereinafter the "PCT application") which application claims the benefit of United States Provisional Patent Application No. 60/983,803, filed October 30, 2007 (hereinafter the "U.S. provisional patent application");

(2) in and to the PCT application and the U.S. provisional patent application, in and to all other U.S. patent applications (including PCT national phase, divisional, continuation, continuation-in-part, §111(b) provisional, §111(a), and reissue applications) based upon said invention or claiming the benefit of the PCT application, or the U.S. provisional patent application, and in and to the patent or patents to be granted thereon, to the full end of the term or terms for which said patent or patents may be granted;

(3) in and to all patent applications on said invention now or hereafter filed in countries foreign to the United States of America, including foreign applications entering the national phase of the PCT application, and in and to any and all patents granted on said applications to the full end of the terms for which said patents may be granted; and

(4) under the International Convention in respect to the PCT application and the U.S. provisional patent application.

We agree that any patent applications of any foreign countries which may be filed shall be filed in the name of Assignee with a claim to priority based on the PCT application and the U.S. provisional patent application.

We hereby agree that we will, upon demand of Assignee, its successors or assigns, and without further consideration to us, execute any and all papers that may be necessary, or deemed by Assignee, its successors or assigns, to be necessary, to a complete fulfillment of the intent and purposes of this Assignment, it being understood that any expense incident to the execution of such papers shall be paid by Assignee, its successors and assigns, and not by us.

And the Commissioner of Patents and Trademarks of the United States is hereby authorized and requested to issue said patent or patents to Assignee.

4-23-09
Date
Walter Bottje
Walter Bottje
State of ARKANSAS
County of WASHINGTON

I do hereby certify that, Walter Bottje, personally known to me to be the same person or persons who signed the foregoing instrument, appeared before me this day and acknowledged that said instrument was signed and delivered as the free and voluntary act of, for the uses and purposes therein set forth.

Given under my hand and seal, this 23RD day of April 2009.
Susie J. Engle
Notary Public
Washington County - Arkansas
Expires June 29, 2016
Commission No. 12349038

4-23-09
Date

Billy Hargis
Billy Hargis

State of ARKANSAS

County of WASHINGTON

I do hereby certify that, Billy Hargis, personally known to me to be the same person or persons who signed the foregoing instrument, appeared before me this day and acknowledged that said instrument was signed and delivered as the free and voluntary act of, for the uses and purposes therein set forth.

Susie J. Engle
Notary Public
Washington County - Arkansas
Expires June 29, 2016
Commission No. 12349038

Given under my hand and seal, this 23RD day of April 2009.
Susie J. Engle
Notary Public

Date

Luc Berghman

State of _____

County of _____

I do hereby certify that, Luc Bergham, personally known to me to be the same person or persons who signed the foregoing instrument, appeared before me this day and acknowledged that said instrument was signed and delivered as the free and voluntary act of, for the uses and purposes therein set forth.

Given under my hand and seal, this _____ day of _____ 2009.

Notary Public

5-7-2009
Date

Young Min Kwon
Young Min Kwon

State of ARKANSAS

County of WASHINGTON

I do hereby certify that, Young Min Kwon, personally known to me to be the same person or persons who signed the foregoing instrument, appeared before me this day and acknowledged that said instrument was signed and delivered as the free and voluntary act of, for the uses and purposes therein set forth.

Given under my hand and seal, this 7th day of MAY 2009.

Susie J. Engle
Notary Public
Washington County - Arkansas
Expires June 29, 2016
Commission No. 12349038

Susie J. Engle
Notary Public

6/3/09
Date

Kimberly Cole
Kimberly Cole

State of _____

Witness: Kellum O'Neal

County of _____

Witness: Courtney [Signature]

I do hereby certify that, Kimberly Cole, personally known to me to be the same person or persons who signed the foregoing instrument, appeared before me this day and acknowledged that said instrument was signed and delivered as the free and voluntary act of, for the uses and purposes therein set forth.

Given under my hand and seal, this _____ day of _____ 2009.

Notary Public

Date

Mandy Cox

State of _____

County of _____

I do hereby certify that, Mandy Cox, personally known to me to be the same person or persons who signed the foregoing instrument, appeared before me this day and acknowledged that said instrument was signed and delivered as the free and voluntary act of, for the uses and purposes therein set forth.

Given under my hand and seal, this _____ day of _____ 2009.

Notary Public

Date

Sherryl Layton

State of _____

County of _____

I do hereby certify that, Sherryl Layton, personally known to me to be the same person or persons who signed the foregoing instrument, appeared before me this day and acknowledged that said instrument was signed and delivered as the free and voluntary act of, for the uses and purposes therein set forth.

Given under my hand and seal, this _____ day of _____ 2009.

Notary Public

S:\CLIENT\013961\9037\B1610970.1

Date _____

Kimberly Cole

State of _____

County of _____

I do hereby certify that, Kimberly Cole, personally known to me to be the same person or persons who signed the foregoing instrument, appeared before me this day and acknowledged that said instrument was signed and delivered as the free and voluntary act of, for the uses and purposes therein set forth.

Given under my hand and seal, this _____ day of _____ 2009.

Notary Public

6-11-10
Date

[Signature]
Mandy Cox

State of ARKANSAS

County of WASHINGTON

I do hereby certify that, Mandy Cox, personally known to me to be the same person or persons who signed the foregoing instrument, appeared before me this day and acknowledged that said instrument was signed and delivered as the free and voluntary act of, for the uses and purposes therein set forth.

Susie J. Engle
Notary Public
Washington County - Arkansas
Expires June 29, 2016
Commission No. 12349038

Given under my hand and seal, this 11th day of JUNE 2009.

[Signature]
Notary Public

5/12/09
Date

[Signature]
Sherryl Layton

State of ARKANSAS

County of WASHINGTON

I do hereby certify that, Sherryl Layton, personally known to me to be the same person or persons who signed the foregoing instrument, appeared before me this day and acknowledged that said instrument was signed and delivered as the free and voluntary act of, for the uses and purposes therein set forth.

Given under my hand and seal, this 12th day of MAY 2009.

Susie J. Engle
Notary Public
Washington County - Arkansas
Expires June 29, 2016
Commission No. 12349038

[Signature]
Notary Public