

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>James W. Janetka</td> <td>06/26/2009</td> </tr> <tr> <td>Scott Hultgren</td> <td>11/05/2009</td> </tr> <tr> <td>Jerry Pinkner</td> <td>11/05/2009</td> </tr> <tr> <td>Zhenfu Han</td> <td>06/26/2009</td> </tr> <tr> <td>Corinne Cusumano</td> <td>11/09/2009</td> </tr> </tbody> </table>		Name	Execution Date	James W. Janetka	06/26/2009	Scott Hultgren	11/05/2009	Jerry Pinkner	11/05/2009	Zhenfu Han	06/26/2009	Corinne Cusumano	11/09/2009
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Zhenfu Han	06/26/2009												
Corinne Cusumano	11/09/2009												
RECEIVING PARTY DATA													
Name:	Washington University												
Street Address:	One Brookings Drive												
City:	St. Louis												
State/Country:	MISSOURI												
Postal Code:	63130												
PROPERTY NUMBERS Total: 1													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13453991</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13453991								
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CORRESPONDENCE DATA													
Fax Number:	(618)655-9640												
Phone:	618-692-2600												
Email:	uspt@polsinelli.com												
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>													
Correspondent Name:	POLSINELLI SHUGHART PC												
Address Line 1:	105 West Vandalia Street												
Address Line 2:	Suite 400												
Address Line 4:	Edwardsville, ILLINOIS 62025												
ATTORNEY DOCKET NUMBER:	047563-437012												
NAME OF SUBMITTER:	Rebecca L. Endsley, Paralegal												

CH \$40.00 13453991

Total Attachments: 8

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TECHNOLOGY ASSIGNMENT

WU Case: 009526

ASSIGNORS:

James Janetka

Scott Hultgren

Jerry Pinkner

Zhenfu Han

Corinne Cusumano

WHEREAS, the aforementioned individuals (the "ASSIGNORS") have developed a certain INVENTION having WU OTM Case No. 009526 and being entitled Compounds Useful as FimH Adhesion Antagonists (collectively, with all future enhancements and improvements thereto as well as all related original works of authorship related thereto other than those solely of an artistic, literary or scholarly nature, as the "INVENTION");

WERHEAS, the ASSIGNORS have executed an application for a United States Patent based on the INVENTION, entitled COMPOSITIONS AND METHODS FOR TREATING BACTERIAL INFECTIONS, filed April 23, 2012, and assigned application Serial No. 13/453,991 (the "APPLICATION");

WHEREAS, Washington University, a corporation of the State of Missouri having its principal office and place of business at One Brookings Drive, St. Louis, Missouri, 63130, ("ASSIGNEE") is desirous of acquiring the entire and exclusive right, title, and interest in and to the INVENTION and the APPLICATION; as provided for in the Washington University Intellectual Property Policy;

NOW THEREFORE, for good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, the ASSIGNORS hereby sell, assign and transfer to ASSIGNEE the full and exclusive right, title and interest in the United States (including its territories and dependencies) and all countries foreign thereto in, to and under the INVENTION, the APPLICATION, and any other United States APPLICATIONS (including provisional, non-provisional, divisional, continuing and reissue APPLICATIONS) based in whole or in part on the

APPLICATION or in whole or in part on the INVENTION, and any patents (including extensions thereof) of any country that have been or may be granted on any of the aforesaid APPLICATIONS or on the INVENTION or any part thereof and including all rights to claim priority through any international convention or treaty and all copyrights on or related to the INVENTION;

ASSIGNORS each agree, to each creator's binding personal share of any income generated by the INVENTION as delineated in the attached Exhibit A, and that all future agreements regarding such personal shares shall be in writing and signed by all creators;

ASSIGNORS hereby warrant and represent to Assignee, its successors, legal representatives and assigns, that at the time of execution of this assignment, the ASSIGNORS listed above are the sole individuals employed by the ASSIGNEE who have made contributions to the INVENTION, that the ASSIGNORS are unencumbered and have good and full right and lawful authority to sell and convey the same in the manner herein set forth, and that all works of authorship assigned herein are original works created solely by the ASSIGNORS and are free from plagiarized, libelous, obscene or infringing material;

ASSIGNORS hereby authorize and request the Commissioner of Patents of the United States of America, to issue any and all United States Patents that may be granted on any assigned APPLICATION or on the INVENTION or any part thereof, in the name of ASSIGNEE;

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this sale, assignment and transfer;

ASSIGNORS hereby grant to ASSIGNEE and its agents and attorneys the power and right to insert herein the title, serial number and filing date of the APPLICATION, the OTM case number and title of the INVENTION after this Assignment is executed by the ASSIGNORS; and

ASSIGNORS further covenant that upon ASSIGNEE's request they will provide promptly to ASSIGNEE all pertinent facts and documents relating to the aforesaid APPLICATIONS and the INVENTION as may be known and accessible to ASSIGNORS, and ASSIGNORS will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives without further consideration any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce the

aforesaid APPLICATIONS that may be deemed necessary or desirable by ASSIGNEE to carry out the purposes hereof.

For the event that ASSIGNEE is unable, after reasonable effort, to secure any ASSIGNOR's signature on any APPLICATION, paper or other instrument relating to any patent, patent APPLICATION, letters patent, copyright or other analogous protection relating to the INVENTION in any country, whether because of the ASSIGNOR's mental incapacity, death or for any other reason whatsoever, each ASSIGNOR hereby irrevocably designates and appoints ASSIGNEE and its duly authorized officers and agents as each ASSIGNOR's agent and attorney in fact to act for and to execute and file any such APPLICATION, paper or other instrument on ASSIGNOR's behalf and to do all other lawfully permitted acts to further the prosecution and issuance of any patent, patent APPLICATION, letters patent, copyright or any other analogous protection related to the INVENTION with the same legal force and effect as if executed by such ASSIGNOR.

For the convenience of the parties, any number of counterparts of the Assignment may be executed by the parties hereto. Each such counterpart shall be and shall be deemed to be an original instrument but all such counterparts taken together shall constitute one and the same assignment.

IN WITNESS WHEREOF, the ASSIGNORS have hereunto set their hand to the foregoing assignment.

[Signature]
Signature - James W. Janetka

6/26/09
Date

HOME ADDRESS:

ACKNOWLEDGMENT

STATE OF Missouri)
CITY OF St. Louis) SS.

On this 26th day of June, 2009, before me, a Notary Public,
personally appeared James W. Janetka, known to me to be the person described, in
and who executed, the foregoing assignment and acknowledged that he executed
said instrument as his free act and deed.

In Testimony Whereof, I have hereunto set my hand and affixed my official seal
the day and year first above written.

[Signature]
Notary Public

My Commission Expires:

[SEAL]
JESSICA WILLIAMS
Notary Public - Notary Seal
State of Missouri
Commissioned for ST. LOUIS County
My Commission Expires: Jan. 29, 2012
COMMISSION #08478758

Scott Hultgren
Signature -- Scott Hultgren

Nov. 5, 2009
Date

Name: Scott Hultgren

Home Address: 1068 Polo Downs

Town + Country, MO 63107

ACKNOWLEDGMENT

STATE OF Missouri)

CITY OF St. Louis)

) SS.

On this 5th day of November, 2009, before me, a Notary Public, personally appeared Scott Hultgren, known to me to be the person described, in and who executed, the foregoing assignment and acknowledged that he executed said instrument as his free act and deed.

In Testimony Whereof, I have hereunto set my hand and affixed my official seal the day and year first above written.

Michelle M. Gibbs
Notary Public

My Commission Expires:
May 19, 2013 [SEAL]



MICHELLE M. GIBBS
My Commission Expires
May 19, 2013
St. Louis City
Commission #09623135

Jerome Pinkner
Signature — Jerry Pinkner

11/5/09
Date

Name: Jerry Pinkner

Home Address: 658 North Forest Ave
St Louis Mo 63119

ACKNOWLEDGMENT

STATE OF Missouri)
CITY OF St. Louis) SS.

On this 5th day of November, 2009, before me, a Notary Public, personally appeared Jerome (Jerry) Pinkner known to me to be the person described, in and who executed, the foregoing assignment and acknowledged that he executed said instrument as his free act and deed.

In Testimony Whereof, I have hereunto set my hand and affixed my official seal the day and year first above written.

Michelle M Gibbs
Notary Public

My Commission Expires:
May 19, 2013 [SEAL]



MICHELLE M. GIBBS
My Commission Expires
May 19, 2013
St. Louis City
Commission #09622195

Zhenfu Han

Signature -- Zhenfu Han

Jun 26, 2009

Date

HOME ADDRESS:

ACKNOWLEDGMENT

STATE OF Missouri)
) SS.
CITY OF St. Louis)

On this ~~26th~~ day of June, 2009, before me, a Notary Public, personally appeared Zhenfu Han, known to me to be the person described, in and who executed, the foregoing assignment and acknowledged that he executed said instrument as his free act and deed.

In Testimony Whereof, I have hereunto set my hand and affixed my official seal the day and year first above written.

Jessica Williams
Notary Public

My Commission Expires:

[SEAL]

JESSICA WILLIAMS
Notary Public - Notary Seal
State of Missouri
Commissioned for ST. LOUIS County
My Commission Expires: Jan. 29, 2012
COMMISSION #08478798

Corinne Cusumano

Signature -- Corinne Cusumano

11/9/07

Date

Name: Corinne Cusumano

Home Address: 5751 N. Linn Ct
St. Louis, MO 63131

ACKNOWLEDGMENT

STATE OF Missouri)
CITY OF Saint Louis) SS.

On this 9th day of NOVEMBER, 2007, before me, a Notary Public, personally appeared Corinne Cusumano known to me to be the person described, in and who executed, the foregoing assignment and acknowledged that he executed said instrument as his free act and deed.

In Testimony Whereof, I have hereunto set my hand and affixed my official seal the day and year first above written.

Michelle M. Gibbs
Notary Public



MICHELLE M. GIBBS
My Commission Expires
May 19, 2013
St. Louis City
Commission #09623135

My Commission Expires:
May 19, 2013 [SEAL]