

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3959137

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
KATHARINA RIBBECK	05/09/2016
NICOLE LYNN KAVANAUGH	05/26/2016
JULIA YIN-TING CO	06/07/2016
ERICA SHAPIRO	05/11/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MASSACHUSETTS INSTITUTE OF TECHNOLOGY
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<b>City:</b>	CAMBRIDGE
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	02139
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15018965
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(978)341-0136
<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>	
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<b>ATTORNEY DOCKET NUMBER:</b>	0050.2266-001
<b>NAME OF SUBMITTER:</b>	AMY T. COMEAU
<b>SIGNATURE:</b>	/Amy T. Comeau/
<b>DATE SIGNED:</b>	07/08/2016
<b>Total Attachments: 12</b>	
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JointASSIGNMENT

WHEREAS, we, **Katharina Ribbeck, Nicole Lynn Kavanaugh, Julia Yin-Ting Co and Erica Shapiro**, have invented a certain improvement in **Isolated Mucins And Different Microorganisms, And Methods Of Use** described in an application for Patent,

- ☐ the specification of which is about to be filed in the United States Patent Office (*use for utility (37 CFR § 1.53(b)) and design filings only*);
- ☐ is about to be filed in the United States Patent Office as a Provisional Application;
- ☒ the specification of which is United States Application No. **15/018,965**, filed **February 9, 2016**;
- ☐ the specification of which is a Patent Cooperation Treaty Application, International Application No. [    ], filed    , which designates the United States of America [and is assigned United States Application No.    ];
- ☐ which was patented under United States Patent No. [    ].


WHEREAS, **Massachusetts Institute of Technology** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **Commonwealth of Massachusetts**, and having a usual place of business at **77 Massachusetts Avenue, Cambridge, Massachusetts 02139** desires to confirm its interest therein in accordance with agreements duly entered into with us;

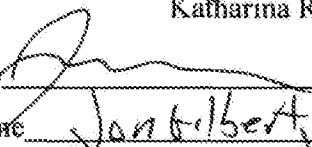
NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the 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 the entire right, title and interest in and to said application and such Letters Patent as may issue on said invention; 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 us had this assignment and sale not been made; we 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. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for any and all related provisional and nonprovisional, international and national phase applications, including any and all substitution, reissue, divisional, continuation, and continuation-in-part applications, 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; we hereby expressly authorize the filing of an International Patent Application under the

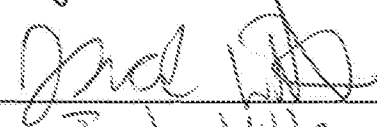
Patent Cooperation Treaty which corresponds to and claims the priority of the above-identified application;

AND, we hereby further agree for ourselves and our 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 any future applications including substitution, reissue, divisional or continuation, continuation-in-part applications, and all related provisional and nonprovisional, international and national phase applications, and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request each Patent Office and the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said invention to said ASSIGNEE, its successors, assigns, and legal representatives.

Inventor  Date 5/1/16  
Katharina Ribbeck

Witness Signature   
Print Witness Name Jan G. Albert

Witness Signature   
Print Witness Name Jacob Witten

Inventor \_\_\_\_\_ Date \_\_\_\_\_  
Nicole Lynn Kavanaugh

Witness Signature \_\_\_\_\_  
Print Witness Name \_\_\_\_\_

Witness Signature \_\_\_\_\_  
Print Witness Name \_\_\_\_\_

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Julia Yin-Ting Co

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Print Witness Name \_\_\_\_\_

Witness Signature \_\_\_\_\_

Print Witness Name \_\_\_\_\_

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Erica Shapiro

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Inventor \_\_\_\_\_ Date \_\_\_\_\_  
Katharina Ribbeck

Witness Signature \_\_\_\_\_

Print Witness Name \_\_\_\_\_

Witness Signature \_\_\_\_\_

Print Witness Name \_\_\_\_\_

Inventor Nicole Lynn Kavanaugh Date 26 May 2016

Witness Signature Melissa R Suzuki 26 MAY 2016

Print Witness Name Melissa R Suzuki

Witness Signature Alexander Justus 26 May 2016

Print Witness Name Alexander Justus

\_\_\_\_\_  
Inventor \_\_\_\_\_ Date \_\_\_\_\_

Julia Yin-Ting Co

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Print Witness Name \_\_\_\_\_

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Erica Shapiro

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Inventor Katharina Ribbeck Date \_\_\_\_\_

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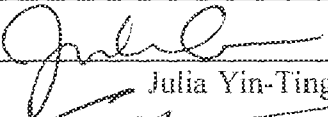
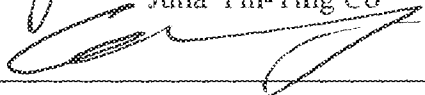

Inventor \_\_\_\_\_ Date \_\_\_\_\_  
Nicole Lynn Kavanaugh

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Inventor  Date 6/7/16  
Julia Yin-Ting Co  
Witness Signature   
Print Witness Name CONNIE FUNG  
Witness Signature   
Print Witness Name Christopher Lau

Inventor \_\_\_\_\_ Date \_\_\_\_\_  
Erica Shapiro  
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 Katharina Ribbeck

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 Nicole Lynn Kavanaugh

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