

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT4243664

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	JULIA BELLOWS BERTHET	01/15/2014
	MARK JOSEPH CARTWRIGHT	01/15/2014
	DONALD E. INGBER	12/19/2013
	MARTIN ROTTMAN	01/15/2014
	DINAH RAPHAELLA SUPER	01/15/2014
	MICHAEL SUPER	12/17/2013
	ALEXANDER L. WATTERS	01/15/2014
	JEFFREY CHARLES WAY	01/16/2014
RECEIVING PARTY DATA		
Name:	PRESIDENT AND FELLOWS OF HARVARD COLLEGE	
Street Address:	17 QUINCY STREET	
City:	CAMBRIDGE	
State/Country:	MASSACHUSETTS	
Postal Code:	02138	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	15415352	
CORRESPONDENCE DATA		
Fax Number:		
<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>		
Email:	caroline_borek@harvard.edu	
Correspondent Name:	KAREN SINCLAIR	
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ATTORNEY DOCKET NUMBER:	3688	
NAME OF SUBMITTER:	KAREN SINCLAIR	
SIGNATURE:	/kas/	

DATE SIGNED:	01/26/2017
Total Attachments: 12 source=3688 PCT1 Assignment#page1.tif source=3688 PCT1 Assignment#page2.tif source=3688 PCT1 Assignment#page3.tif source=3688 PCT1 Assignment#page4.tif source=3688 PCT1 Assignment#page5.tif source=3688 PCT1 Assignment#page6.tif source=3688 PCT1 Assignment#page7.tif source=3688 PCT1 Assignment#page8.tif source=3688 PCT1 Assignment#page9.tif source=3688 PCT1 Assignment#page10.tif source=3688 PCT1 Assignment#page11.tif source=3688 PCT1 Assignment#page12.tif	

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the undersigned:

**Julia B. Berthet, Mark J. Cartwright, Donald E. Ingber, Martin Rottman,
Dinah R. Super, Michael Super, Alexander L. Watters, Jeffrey Charles Way**

(each hereafter "Assignor") hereby assign, sell, and transfer to:

**President and Fellows of Harvard College
17 Quincy Street, Cambridge, Massachusetts 02138**

(hereafter "Assignee") its successors and assigns, Assignor's entire right, title and interest throughout the world in and to any and all inventions for:

ENGINEERED MICROBE-TARGETING MOLECULES AND USES THEREOF

described in PCT International Patent Application No. **PCT/US12/47201**, filed 07/18/2012; and in and to the aforesaid application(s), in any form or embodiment thereof, and in and to any application on any of the inventions filed in this and any foreign country, based thereon, including the right to file said applications, apply for patent rights, and claim priority under the provisions of any international convention or treaty; also the entire right, title and interest throughout the world in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon any of the inventions and any divisional, continuation, or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and the right to sue in its own name and recover damages for past infringement of any United States Letters Patent and foreign patent; and authorize and request the issuing authority to issue any and all patents on said application or applications to said Assignee or its successors and assigns.

For purposes of complying with foreign requirements, the above paragraph is intended to expressly grant all the recited rights and grants in China, Korea, and Japan.

Assignor hereby warrants that he/she has full right to convey his/her entire right, title and interest, both legal and equitable, in and to said inventions, free from all prior assignments, agreements, licenses, mortgages, security interests, or other encumbrances whatsoever; and


Assignor further agrees, without further payment or compensation by said Assignee or its successors and assigns, to communicate to said Assignee, its representatives or agents or its successors and assigns, any facts relating to said invention

or inventions including evidence for interference purposes or for other legal proceedings, whenever requested; testify in any interference or other legal proceedings whenever requested; execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and generally do everything possible to aid said Assignee, its representatives or agents, or its successors or assigns to secure, obtain and enforce proper patent protection for said invention or inventions in this and any foreign country.

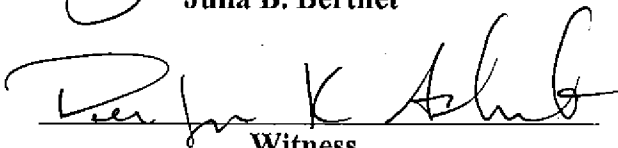
Assignor authorizes Assignee or Assignee's representative to supply and/or to correct any errors or omissions in the patent/application information provided above including but not limited to said application serial number(s) and filing date(s), prior to or after recordation.

Assignor appoints Assignee, through its designee, as its attorney-in-fact to execute, in Assignor's name and on Assignor's behalf, any and all documents required to effectuate this Assignment, specifically including, but not limited to, those documents specified above and any necessary corrective assignments.

1/15/14
Date


Julia B. Berthet

1.15.2014
Date

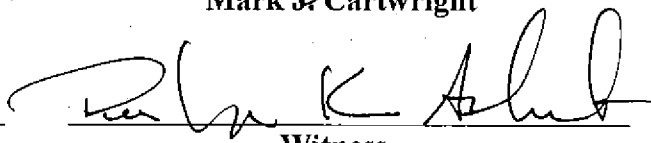

Witness

Denlyn K. Atherton
Witness's Printed Name

1/15/2014
Date


Mark J. Cartwright


01.15.2014
Date


Witness

Denlyn K. Atherton
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12.19.13

Date


Donald E. Ingber

12.19.13

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Jeanne M. Nisbet
Witness

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Martin Rottman

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Dinah R. Super

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Michael Super

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Alexander L. Watters

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Jan 16, 2014

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Jeffrey Charles Way

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Assignor further agrees, without further payment or compensation by said Assignee or its successors and assigns, to communicate to said Assignee, its representatives or agents or its successors and assigns, any facts relating to said invention

Patent Assignment
HU Case 3688
Appl. No(s): PCT/US12/47201

or inventions including evidence for interference purposes or for other legal proceedings, whenever requested; testify in any interference or other legal proceedings whenever requested; execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and generally do everything possible to aid said Assignee, its representatives or agents, or its successors or assigns to secure, obtain and enforce proper patent protection for said invention or inventions in this and any foreign country.

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Martin Rottman

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CATHERINE BOUCLY

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Dinah R. Super

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Martin Rottman

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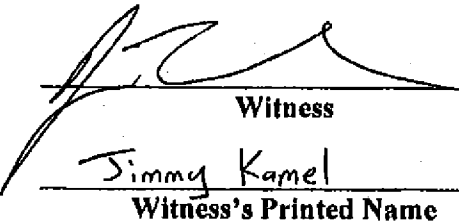
Date



Dinah R. Super

1/15/14

Date



Witness
Jimmy Kamel

Witness's Printed Name

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