

PATENT ASSIGNMENT

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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>Simon Carding</td><td>12/11/2007</td></tr><tr><td>Mark Farrar</td><td>12/03/2007</td></tr></tbody></table>	Name	Execution Date	Simon Carding	12/11/2007	Mark Farrar	12/03/2007	
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Simon Carding	12/11/2007						
Mark Farrar	12/03/2007						
RECEIVING PARTY DATA							
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City:	Leeds						
State/Country:	UNITED KINGDOM						
Postal Code:	LS2 9JT						
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>11814739</td></tr></tbody></table>	Property Type	Number	Application Number:	11814739			
Property Type	Number						
Application Number:	11814739						
CORRESPONDENCE DATA							
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NAME OF SUBMITTER:	Laneisha C. Hayes						
Total Attachments: 3 source=9052260Assignment#page1.tif source=9052260Assignment#page2.tif							

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PATENT
REEL: 020318 FRAME: 0436

ASSIGNMENT

THIS ASSIGNMENT, made by us, **Simon Carding**, a citizen of Great Britain, having a mailing address of School of Biochemistry and Molecular Biology, University of Leeds, Leeds LS2 9JT (GB); and **Mark Farrar**, a citizen of Great Britain, having a mailing address of School of Biochemistry and Molecular Biology, University of Leeds, Leeds LS2 9JT (GB); and

WITNESSETH: That,

WHEREAS, we are joint inventors of certain new and useful improvements in **CONTROLLED PRODUCTION AND DELIVERY OF BIOLOGICALLY ACTIVE AGENTS BY GUT BACTERIA**, for which an application for United States Letters Patent has been filed, or is being filed concurrently, in the United States Patent and Trademark Office. We hereby authorize and request Myers Bigel Sibley & Sajovec, P.A., to insert here in parentheses (Application No. 11/814,439, filed 7-25-2004) the filing date and application number of said application when known or to file this Assignment concurrently with the application, and

WHEREAS, **University of Leeds**, an educational institution having a mailing address at Leeds LS2 9JT, United Kingdom, hereinafter referred to as assignee, is desirous of acquiring the entire right, title and interest in and to said invention as described in said application, 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 the said assignee, its successors and assigns, the entire right, title, and interest in and to the said invention and application, 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 application 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.

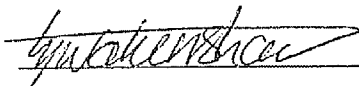
We further covenant and agree that, at the time of the execution and delivery of these presents, we possess full title to the invention and application above-mentioned, and that we have the unencumbered right and authority to make this assignment.

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 16th day of December, 2007.

 (SEAL)
Simon Carding

Witnessed by:

 x
Date: 11/12/07 x

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 3rd day ✓
of DECEMBER, 2007. ✓

Mark Farrar (SEAL) ✓
Mark Farrar

Witnessed by:

AS ✓

Date: 03/12/07 ✓