

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5647783

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ANDREW JOHN LEE	06/03/2019
JOSEPH GALLAGHER	06/03/2019
STEVEN ANTHONY FISH	06/04/2019
STEPHEN MICHAEL MORRIS	06/06/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ABERYSTWYTH UNIVERSITY
<b>Street Address:</b>	OLD COLLEGE KING STREET
<b>City:</b>	ABERYSTWYTH
<b>State/Country:</b>	GREAT BRITAIN
<b>Postal Code:</b>	SY23 2AX
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15037917
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)842-7899
<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>	
<b>Phone:</b>	2064528700
<b>Email:</b>	sclingerman@cooley.com, zPatDCDocketing@cooley.com
<b>Correspondent Name:</b>	COOLEY LLP
<b>Address Line 1:</b>	1299 PENNSYLVANIA AVE, NW, SUITE 700
<b>Address Line 2:</b>	ATTN: PATENT DEPT/LAWRENCE J. TEAGUE
<b>Address Line 4:</b>	WASHINGTON, D.C. 20004
<b>ATTORNEY DOCKET NUMBER:</b>	APYD-002/01US 332597-2002
<b>NAME OF SUBMITTER:</b>	LAWRENCE J. TEAGUE
<b>SIGNATURE:</b>	/Lawrence J. Teague/
<b>DATE SIGNED:</b>	08/01/2019
<b>Total Attachments: 6</b>	
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**PATENT**

**REEL: 049929 FRAME: 0946**

## ASSIGNMENT

LEE, Andrew John, residing at 118 Hartopp Road Leicester Leicestershire LE2 1WF (GB); GALLAGHER, Joseph, residing at 1 y Ffald Bow Street Ceredigion SY24 5AL (GB); FISH, Steven Anthony, residing at 11 Beech Road Garstang Lancashire Lancashire PR3 1FS (GB); and MORRIS, Stephen Michael, residing at Crud yr Awel Llanrhystud Ceredigion SY23 5AA (GB) (each referred to as "Assignor") have made an invention(s) (the "Invention(s)") set forth in an application for patent of the United States, entitled PREBIOTIC COMPOSITION, and which is a:

- (1) ☐ provisional application
  - (a) ☐ to be filed herewith; or
  - (b) ☐ bearing Application No. , and filed on ;
- (2) ☒ non-provisional application
  - (a) ☐ to be filed herewith; or
  - (b) ☒ bearing Application No. 15/037,917, and filed on May 19, 2016; and/or
- (3) ☐ PCT application
  - (a) ☐ bearing Application No. , and filed on .
- (4) ☐ a patent application bearing Serial No. , and filed on ;  
and/or
- (5) ☐ attached hereto.

WHEREAS, ABERYSTWYTH UNIVERSITY, a university having an address at Old College King Street Aberystwyth Ceredigion SY23 2AX (GB) its successors, legal representatives and assigns, (the "Assignee"), is desirous of acquiring the entire right, title, and interest in: the Invention(s); the application(s) for patent identified above; the right to file applications for patent of the United States or other countries on the Invention(s); any application(s) for patent of the United States or other countries claiming priority to, and/or the benefit of, these applications; any provisional or other right to recover any and all past, present, and future damages, including royalties, for any and all past, present, and future infringements of these application(s); and any and all patent(s) of the United States or other countries that may be granted therefor or thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, and to the extent that the Assignor has not done so already via a prior agreement with the Assignee or a predecessor in interest of the Assignee, or if the Assignor has already done so via a prior agreement with the Assignee or a predecessor in interest of the Assignee then in confirmation of any obligation to do so in said prior agreement, the Assignor has sold, assigned, transferred, and set over, and by

these presents does sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns, the Assignor's entire right, title, and interest in:

- (a) the Invention(s);
- (b) the application(s) for patent identified above;
- (c) the right to file applications for patent of the United States or other countries on the Invention(s), including all rights under the Hague Convention, the Paris Convention for the Protection of Industrial Property, and under the Patent Cooperation Treaty, and all rights of claiming priority in any country of the world;
- (d) any application(s) for patent of the United States or other countries claiming the Invention(s);
- (e) any application(s) for patent of the United States or other countries claiming priority to, and/or the benefit of, at least one of the application(s) for patent identified above or any application(s) for patent claiming the Invention(s), including any substitute application(s), division(s), continuation(s), and continuation(s)-in-part;
- (f) any provisional or other right to recover any and all past, present, and future damages, including royalties, for any and all past, present, and future infringements of any application for patent identified in the preceding paragraphs (b)-(e) and of any and all patent(s) granted based thereon in the United States and in all other countries; and
- (g) any patent(s) of the United States or other countries that may be granted for or on any application for patent identified in the preceding paragraphs (b)-(e), including any reissue(s), reexamination(s), revival(s), renewal(s) and extension(s) of said patent(s).

The above-granted rights, titles, and interests are to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, as fully and entirely as the same would have been held and enjoyed by the Assignor had this sale and assignment not been made.

The Assignor hereby represents to the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, or if applicable, at such time said prior agreement was executed, the Assignor is a lawful owner of an undivided interest in the entire right, title, and interest in and to the Invention(s), that the Invention(s) are unencumbered, except, if applicable, by obligation to assign in accordance with said prior agreement, and that the Assignor has good and full right and lawful authority to sell and convey the same in the manner set forth herein, and


that Assignor will not make or enter into any assignment, sale, agreement or encumbrance which would conflict with these presents.

The Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns, that the Assignor will sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done in connection with any and all proceedings for the procurement, maintenance, enforcement and defense of the invention(s), said application(s), and said patent(s), including interference and derivation proceedings, and any post-grant proceedings (e.g., opposition proceedings, post-grant reviews, *inter partes* reviews, supplemental examinations, etc.) without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns.

The Assignor hereby requests the Commissioner of Patents to issue said patents of the United States to the Assignee for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date: 3<sup>rd</sup> June 2019

By: \_\_\_\_\_

  
LEE, Andrew John

Date: \_\_\_\_\_

By: \_\_\_\_\_

GALLAGHER, Joseph

Date: \_\_\_\_\_

By: \_\_\_\_\_

FISH, Steven Anthony

Date: \_\_\_\_\_

By: \_\_\_\_\_

MORRIS, Stephen Michael

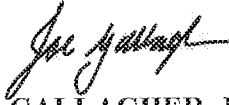
134403201 v1

that Assignor will not make or enter into any assignment, sale, agreement or encumbrance which would conflict with these presents.

The Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns, that the Assignor will sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done in connection with any and all proceedings for the procurement, maintenance, enforcement and defense of the Invention(s), said application(s), and said patent(s), including interference and derivation proceedings, and any post-grant proceedings (e.g., opposition proceedings, post-grant reviews, *Inter partes* reviews, supplemental examinations, etc.) without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns.

The Assignor hereby requests the Commissioner of Patents to issue said patents of the United States to the Assignee for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date: \_\_\_\_\_ By: \_\_\_\_\_  
LEE, Andrew John

Date: 3<sup>rd</sup> June 2019 By:   
GALLAGHER, Joseph

Date: \_\_\_\_\_ By: \_\_\_\_\_  
FISH, Steven Anthony

Date: \_\_\_\_\_ By: \_\_\_\_\_  
MORRIS, Stephen Michael

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that Assignor will not make or enter into any assignment, sale, agreement or encumbrance which would conflict with these presents.

The Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns, that the Assignor will sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done in connection with any and all proceedings for the procurement, maintenance, enforcement and defense of the invention(s), said application(s), and said patent(s), including interference and derivation proceedings, and any post-grant proceedings (e.g., opposition proceedings, post-grant reviews, *Inter partes* reviews, supplemental examinations, etc.) without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns.

The Assignor hereby requests the Commissioner of Patents to issue said patents of the United States to the Assignee for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date: \_\_\_\_\_

By: \_\_\_\_\_  
LEE, Andrew John

Date: \_\_\_\_\_

By: \_\_\_\_\_  
GALLAGHER, Joseph

Date: 4/6/19

By: Steven Fish  
FISH, Steven Anthony

Date: \_\_\_\_\_

By: \_\_\_\_\_  
MORRIS, Stephen Michael

134403281 v1

that Assignor will not make or enter into any assignment, sale, agreement or encumbrance which would conflict with these presents.

The Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns, that the Assignor will sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done in connection with any and all proceedings for the procurement, maintenance, enforcement and defense of the Invention(s), said application(s), and said patent(s), including interference and derivation proceedings, and any post-grant proceedings (e.g., opposition proceedings, post-grant reviews, *Inter partes* reviews, supplemental examinations, etc.) without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns.

The Assignor hereby requests the Commissioner of Patents to issue said patents of the United States to the Assignee for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date: \_\_\_\_\_

By: \_\_\_\_\_  
LEE, Andrew John

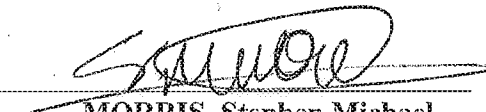
Date: \_\_\_\_\_

By: \_\_\_\_\_  
GALLAGHER, Joseph

Date: \_\_\_\_\_

By: \_\_\_\_\_  
FISH, Steven Anthony

Date: 6<sup>th</sup> June 2019

By:   
MORRIS, Stephen Michael

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