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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:			NEW ASSIGNMENT			
NATURE OF CONVEYANCE:			ASSIGNMENT			
CONVEYING PARTY D	ΑΤΑ	•				
		l	Name		Execution Date	
JOHN O'DOHERTY					11/22/2006	
JOHN T. O'SULLIVAN					11/22/2006	
JULKA ADITYA					11/22/2006	
RECEIVING PARTY DA						
Name: BIOATLANTIS LIMITED						
Street Address:	BAYLA	BAYLANDS, BALLYYARD				
City:	TRALE	E				
State/Country:	IRELAND					
PROPERTY NUMBERS	Total: 1					
Property Type			Number			
Application Number: 1		15905	5361			
CORRESPONDENCE D						
Fax Number:		• •	866-0010 e-mail address first; if that is un		ful it will be cont	
			at is unsuccessful, it will be se			
Phone: 214-		214-8	66-0001			
		cminc	nchillo@chalkerflores.com			
•						
			CHALKER FLORES, LLP			
			1 N. DALLAS PARKWAY, SUITE 400			
Address Line 4:		DALL	AS, TEXAS 75254			
ATTORNEY DOCKET NUMBER:			BIOA:1000CON			
NAME OF SUBMITTER:			CYNTHIA MINCHILLO			
SIGNATURE:			/Cynthia Minchillo/			
DATE SIGNED:			02/26/2018			
Total Attachments: 5						
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> PATENT REEL: 045041 FRAME: 0715

PATENT REEL: 045041 FRAME: 0716

ASSIGNMENT

THIS ASSIGNMENT effective the 22nd day of November 2006

BETWEEN

O'DORHERTY JOHN, a citizen of the Republic of Ireland c/o School of Agriculture, Food Science and Veterinary Medicine, College of Life Sciences, University College Dublin, Belfield, Dublin 4 Republic of Ireland, and

O'SULLIVAN JOHN T, a citizen of the Republic of Ireland, c/o BioALTANTIS limited, Baylands, Ballyard, Tralee, County Kerry, Republic of Ireland, and

JULKA ADITYA, a citizen of the Republic of Ireland, c/o BioAtlantis Limited, Baylands, Ballyyard, Tralee, County Kerry, Republic of Ireland, (hereinafter called "the Inventor") of the one part,

BIOATLANTIS LIMITED an Irish Company of Baylands, Ballyard, Tralee, County Kerry, Republic of Ireland, (hereinafter called "the Assignors") of the other part.

WHEREAS the Inventors claim to be the true and first inventors of an invention relating to "Novel compositions to improve gut health and animal performance and methods of making the same" (hereinafter referred to as the "Invention") and for which a Patent Application is about to be filed

NOW THIS ASSIGNMENT WITNESSETH that in consideration of the sum of \in 10.00 and the other good and valuable considerations the receipt of which is hereby acknowledged:

1. The Inventors hereby assign to Assignee absolutely the Invention, any improvements in or modifications thereof, and any know-how relating thereto together with all rights and interest in the

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same and all rights and powers to make applications for patents in the name of the Assignee or in the name of its nominee, in the Republic of Ireland and in all other countries of the world in respect of the Invention or improvements in or modifications thereof, together with all rights and benefits arising therefrom under the International Convention for the Protection of Industrial Property

2. The Inventors hereby convenant with the Assignee as follows:

- (i) that they will (so far as necessary) permit and enable the Assignee to apply for and will take all reasonable steps to assist the Assignee or nominee in obtaining the grant of patent or like protection in respect of the Invention hereinbefore assigned in any territory as may be required by the Assignee
- (ii)
- that they will at the request and cost of Assignee execute and do all such documents, acts and things as may be necessary for the purpose of sub-paragraph (i) hereof and for vesting any relevant invention, application for patent, patent, knowhow, copyright or design in the Assignee or its nominee absolutely.

3. The Inventors hereby irrevocably appoint the Assignee as Attorney in their names to execute and do any document act or thing which may be necessary to comply with the provisions of Clause 2 hereof.

IT IS HEREBY CERTIFIED that the transaction hereby affected does not form part of a larger transaction or of a series of transactions in respect of which the amount or value or the aggregate amount or value of the consideration exceeds EURO6,350 (six thousand, three hundred and fifty euros). IN WITNESS WHEREOF this assignment has been executed the day and year first herein written.

SIGNED SEALED and DELIVERED

By John O'Doherty

in the presence of

John Call Witness

Witness

SIGNED SEALED and DELIVERED

By John T O'Sullivan

in the presence of

Witness

Witness

SIGNED SEALED and DELIVERED

By Aditya Julka

in the presence of

Witness

PATENT

REEL: 045041 FRAME. 07

IN WITNESS WHEREOF this assignment has been executed the day and year first herein written.

SIGNED SEALED and DELIVERED

By John O'Doherty

in the presence of

Witness

Witness

SIGNED SEALED and DELIVERED

By John T O'Sullivan

in the presence of

Witness

Witness

SIGNED SEALED and DELIVERED

By Aditya Julka

in the presence of

Witness

PATENT REFL · 045041 FRAME: 0720 Executed on behalf of BIOATLANTIS LIMITED

Director

Witness

RECORDED: 02/26/2018