

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DYLAN BARNES	04/09/2021
MATTHEW CAMPBELL	04/09/2021
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	GENUS PLC
<b>Street Address:</b>	1525 RIVER ROAD
<b>City:</b>	DEFOREST
<b>State/Country:</b>	WISCONSIN
<b>Postal Code:</b>	53532
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	17307369
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	RD-12-2020-US3
<b>NAME OF SUBMITTER:</b>	ELIZABETH A. EPSTEIN
<b>SIGNATURE:</b>	/Elizabeth A. Epstein/
<b>DATE SIGNED:</b>	05/04/2021
<b>Total Attachments: 2</b>	
source=2021-04-07_RD-12-2020-US3_Assignment-Genus_DeForest-Barnes_Campbell-EXECUTED#page1.tif	
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## ASSIGNMENT OF APPLICATIONS AND INVENTIONS

WHEREAS, we, Dylan Barnes, of Madison, WI, US; and Matthew Campbell, of Madison, WI, US; have made certain inventions or certain improvements in the following, which are disclosed in patent application(s) entitled:

### METHODS FOR IMPROVING THE HEALTH OF PORCINE SPECIES BY TARGETED INACTIVATION OF CD163

identified as U.S. Patent Application No. To Be Assigned, PCT Patent Application No. To Be Assigned, and Chinese Patent Application No. To Be Assigned, under **GENUS** Reference Nos. RD-12-2020-US3, RD-12-2020-WO1, and RD-12-2020-CN1 respectively (collectively “Inventions” and “Applications”);

WHEREAS, **Genus Plc. (“GENUS”)**, an English corporation organized and existing under and by virtue of the laws of the countries of England & Wales, UK, and having an office and place of business at 1525 River Road, DeForest, WI 53532, US, desires to acquire the entire right, title and interest in and to said Invention(s) and Application(s), and any and all additional United States or foreign applications and patents to be obtained therefor;

NOW, THEREFORE, FOR GOOD AND VALUABLE CONSIDERATION, the receipt of which is hereby acknowledged, we do hereby sell, assign and transfer to said **GENUS**, its successors and assigns, our entire right, title and interest in and to said Application(s), Patent(s), and Invention(s) disclosed therein in any form or embodiment thereof filed in the United States and all countries foreign thereto, including the right to file applications and the right to claim priority in countries other than the country of priority filing under the provisions of any international convention including under the International Convention of Paris (1883) as amended; also in and to any and all improvements on said Invention(s) now or hereafter made as employee(s), agent(s) or contractor(s) of said **GENUS**; also our entire right, title and interest in and to any and all patents, including reissues and extensions thereof, to be obtained in any country upon said Invention(s) or improvements thereon; and any and all continuing applications, including divisional, continuation and continuation-in-part applications, substitute applications, and applications claiming benefit of an earlier filed application, which may be filed upon said Invention(s) or improvements thereon in any country;

We also agree that **GENUS** may apply for foreign Letters Patent on said Invention(s), and agree to cooperate with said **GENUS** and to execute without additional consideration any additional documents as deemed necessary by said **GENUS** to apply for or maintain patents or other legal protection for said Invention(s) in any country of the world; and

We hereby authorize and request the United States Commissioner for Patents and Trademarks, or competent corresponding foreign authority, to issue any and all patents on said Invention(s) set forth in said Application(s) to said **GENUS**, as assignee of the entire interest.

GENUS Ref. No. RD-12-2020-US3  
Application No. To Be Assigned

I further agree, without any payment by **GENUS** other than in reimbursement of reasonable expenses we may incur, to communicate to said **GENUS**, its representatives or agents, any facts relating to said Invention(s) or improvements thereon, including evidence for purposes of interference, opposition or other legal proceedings, whenever requested; testify in any interference, opposition or other legal proceedings, whenever requested; and execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective.

DocuSigned by:  
*Dylan Barnes*  
Signature: / \_\_\_\_\_ / Date: 09-Apr-2021 | 7:53:00 AM PDT  
B0DE50731F0F48B...

Name: Dylan Barnes

City and state or country of residence: Madison, WI

DocuSigned by:  
*Matthew Campbell*  
Signature: / \_\_\_\_\_ / Date: 09-Apr-2021 | 8:43:09 AM PDT  
A9D01CEBE90A48B...

Name: Matthew Campbell

City and state or country of residence: Madison, WI

Received by:

DocuSigned by:  
*Dan Hartley*  
/ \_\_\_\_\_ / Date: 09-Apr-2021 | 3:48:15 AM PDT  
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Dan Hartley,

General Counsel and Corporate Secretary, Genus Plc.