

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT				
NATURE OF CONVEYANCE:	ASSIGNMENT OF ASSIGNOR'S INTEREST				
CONVEYING PARTY DATA					
Name	Execution Date				
Robert J. Hawley	2004-11-18				
RECEIVING PARTY DATA					
Name	Street Address	Internal Address	City	State/Country	Postal Code
Immerge Biotherapeutics, Inc.	300 Technology Square		Cambridge	MA	02139
PROPERTY NUMBERS Total: 1					
Property Type	Number				
Application Number	10499407				
CORRESPONDENCE DATA					
FAX NUMBER: (617) 951-7050 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> When the customer number has been provided, the Office of Public Records will obtain the correspondence data from the official record on file at the USPTO. CUSTOMER NUMBER: 28120					
NAME OF PERSON SIGNING:	Matthew P. Vincent				
DATE SIGNED:	2005-04-18				
Total Attachments: 2 source=IBTIP01001-usassn-A000001.tif source=IBTIP01001-usassn-A000002.tif					

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ASSIGNMENT

WHEREAS, I, Robert J. Hawley, together with Billy N. Day and Randall S. Prather, have invented a certain improvement in KNOCKOUT SWINE AND METHODS FOR MAKING THE SAME, described in an application for Letters Patent of the United States, the specification of which:

- is being executed on even date herewith; and is about to be filed in the United States Patent Office;
- was filed on June 18, 2004 as Application No. 10/499407
- was patented under U.S. Patent No. on

WHEREAS, Immerge Biotherapeutics, Inc. (hereinafter "ASSIGNEE"), a U.S. corporation organized and existing under the laws of Delaware having principal offices at 300 Technology Square, Cambridge, MA 02139 desires to acquire an interest therein in accordance with agreements duly entered into with me.

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, I have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with my entire right, title and interest in and to said application and such Letters Patent as may issue thereon, and any reissue, continuation, divisional and foreign counterparts thereof; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment not been made; I hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. I hereby acknowledge that this assignment, being of my entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, I hereby further agree for myself and my executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and

the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, I do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

Inventor Robert J. Hawley Date: 11/18/04
Robert J. Hawley

Address 46 Davelin Road
Wayland, Massachusetts 01778

Witness Jamal Hawley Date: 11-18-04

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Wayland, MA 01778