

**PATENT ASSIGNMENT**

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<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Chihiro Koike	05/04/2005
<b>RECEIVING PARTY DATA</b>	
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<b>City:</b>	Pittsburgh
<b>State/Country:</b>	PENNSYLVANIA
<b>Postal Code:</b>	15260
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	11125572
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<b>Total Attachments: 3</b> source=10758.105022#page1.tif source=10758.105022#page2.tif source=10758.105022#page3.tif	

CH \$40.00 11125572

### ASSIGNMENT

WHEREAS, I, CHIHRO KOIKE, a citizen of Japan residing at 5624 Homewood Road, Apt. 203, Pittsburgh, Pennsylvania 15217, United States of America, have invented certain inventions and improvements disclosed in an application for Letters Patent entitled "PORCINE FORSEMAN SYNTHETASE PROTEIN, CDNA, GENOMIC ORGANIZATION, AND REGULATORY REGION" filed in the United Patent and Trademark Office on May 7, 2004, and assigned U.S. Provisional Patent Application No. 60/568,922; and

WHEREAS, the UNIVERSITY OF PITTSBURGH OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION, a university of the State of Pennsylvania, having a principal place of business at Office of Technology Management, 200 Gardner Steel Conference Center, Technology and O'HARA Streets, Pittsburgh, Pennsylvania 15260, United States of America, is desirous of acquiring an interest in the same.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which I hereby acknowledge, I, CHIHRO KOIKE, by these presents do sell, assign, and transfer unto the UNIVERSITY OF PITTSBURGH OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION, the full, exclusive, and entire right, title, and interest in and to said application, in and to any divisions, continuations, and renewals thereof, and in and to all inventions and improvements disclosed and described in said application, preparatory to obtaining Letters Patent of the United States thereof; and I hereby request the Director of the U.S. Patent and Trademark Office to issue any and all Letters Patent of the United States resulting from said application or from a division, continuation, or renewal thereof, to the UNIVERSITY OF PITTSBURGH OF THE COMMONWEALTH SYSTEM OF HIGHER

**EDUCATION as the assignee, for its interest and for the sole use and benefit of the UNIVERSITY OF PITTSBURGH OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION and its assigns and legal representatives:**

For the same consideration, I, by these presents do sell, assign, and transfer unto the **UNIVERSITY OF PITTSBURGH OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION**, the full, exclusive, and entire right, title, and interest in and to any foreign application or applications corresponding to said application, in whole or in part, in countries other than the United States, in and to any Letters Patent and similar protective rights granted on said foreign applications, and in and to the right to claim any applicable priority rights arising from or required for said foreign applications under the terms of any applicable conventions, treaties, statutes, or regulations; said foreign applications to be filed and issued in the name of the **UNIVERSITY OF PITTSBURGH OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION**, or its designee insofar as permitted by applicable law;

**AND**, for the same consideration, I agree to sign all lawful papers, execute all divisions, continuing, reissues, and other applications, make all assignments and rightful oaths, and generally do everything possible to aid the **UNIVERSITY OF PITTSBURGH OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION**, its successors, assigns, and nominees to obtain and enforce proper protection for all said inventions and improvements in all countries throughout the world;

**AND**, I warrant and covenant that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned.

**AND**, when requested, and at the expense of the **UNIVERSITY OF**

**PITTSBURGH OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION**, I agree to carry out in good faith the intent and purpose of this assignment, and I will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney, and other papers; communicate to the **UNIVERSITY OF PITTSBURGH OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION** all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible for which the **UNIVERSITY OF PITTSBURGH OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION** shall consider desirable for vesting title to such improvements in the **UNIVERSITY OF PITTSBURGH OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION**, and for securing, maintaining, and enforcing proper patent protection for such improvements.

TO BE BINDING on the heirs, assigns, representatives, and successors of the undersigned and extend to the successors, assigns, and nominees of the **UNIVERSITY OF PITTSBURGH OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION**.

Signature:   
CHIHIRO KOIKE

Date: May 04, 2005

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