# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
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HIROAKI KAWASAKI	10/15/2013

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### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	14343240

### **CORRESPONDENCE DATA**

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SIGNATURE:	/Daniel P. Lent/
DATE SIGNED:	03/13/2014

Total Attachments: 3

REEL: 032431 FRAME: 0231

PATENT

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> PATENT REEL: 032431 FRAME: 0232

#### ASSIGNMENT

WHEREAS We, (1) Hiroyuki ABE of c/o 1-14-5, Tamacho, Fuchu-shi, Tokyo 1830002 Japan, and (2) Hiroaki KAWASAKI of c/o 2-16-3-1102, Akasaka, Minato-ku, Tokyo 1070052 Japan (hereinafter referred to as "ASSIGNORS") have invented certain new and useful improvements in:

PROLIFERATING AGENT FOR MONOCYTE, CULTURE MEDIUM FOR
PROLIFERATING MONOCYTE, METHOD FOR PRODUCING MONOCYTE, METHOD
FOR PRODUCING DENDRITIC CELL, AND METHOD FOR PRODUCING DENDRITIC
CELL VACCINE

which claims priority to Japanese Application No. 2012-027332, filed February 10, 2012, and for which We are about to file or have filed an application for Letters Patent of the United States;

AND WHEREAS We, (1) Hakushinkouseikai Foundation (hereinafter referred to as "ASSIGNEE"), a corporation organized and existing under the laws of the Country of Japan, having a place of business at 1-9-5, Kudankita, Chiyoda-ku, Tokyo 1020073 Japan, and (2)Life Science Research Institute Ltd., a corporation organized and existing under the laws of the Country of Japan having a place of business at B1, Kudan VIGAS Building, 1-10-9, Kudankita, Chiyoda-ku, Tokyo 1020073 Japan are desirous of acquiring an interest in the United States and all foreign countries, in and to the said invention and Letters Patent to be obtained therefor;

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that, for good and valuable consideration, the receipt of which is hereby acknowledged, We, the said ASSIGNORS have assigned and transferred, and hereby assign and transfer unto the said ASSIGNEE, the entire right, title and interest in and to said invention in the United States and in all foreign countries, including priority rights, as fully set forth and described in said application; and We do hereby authorize and request the Commissioner of Patents to issue said Letters Patent on said application, and any and all Letters Patent that may be issued upon any and all revivals, refilings, continuations, continuations-in-part, divisions and reissues thereof, to the said ASSIGNEE, an assignee of the entire right, title and interest in and to the same, for

PATENT REEL: 032431 FRAME: 0233 the sole use and behoof of ASSIGNEE, its successors and assigns; and We do hereby agree that the said ASSIGNEE, may apply for foreign Letters Patent on said invention and that We will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by the said ASSIGNEE, its successors or assigns, and that We will, at the cost and expense of the said ASSIGNEE fully assist and cooperate in all matters in connection with the United States and foreign applications and patents issuing thereon.

The undersigned declare that all statements made herein of their own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: Oct. (5, 20/3	Kiryaki AG
	Hiroyuk/ABE
Date:	Hivoshi VAWACAVI

the sole use and behoof of ASSIGNEE, its successors and assigns; and We do hereby agree that the said ASSIGNEE, may apply for foreign Letters Patent on said invention and that We will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by the said ASSIGNEE, its successors or assigns, and that We will, at the cost and expense of the said ASSIGNEE fully assist and cooperate in all matters in connection with the United States and foreign applications and patents issuing thereon.

The undersigned declare that all statements made herein of their own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date:	Hiroyuki ABE
Date: 0ctober 15, 2013	J Liverili Karrh

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RECORDED: 03/13/2014