

## 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>
NATIONAL UNIVERSITY CORPORATION OITA UNIVERSITY	05/23/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	CELGENE CORPORATION
<b>Street Address:</b>	86 MORRIS AVENUE
<b>City:</b>	SUMMIT
<b>State/Country:</b>	NEW JERSEY
<b>Postal Code:</b>	07901
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15170789
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<b>ATTORNEY DOCKET NUMBER:</b>	12827-935-999
<b>NAME OF SUBMITTER:</b>	KRISTA CHAFFIN-PENNY
<b>SIGNATURE:</b>	/Krista Chaffin-Penny/
<b>DATE SIGNED:</b>	12/14/2017
<b>Total Attachments: 2</b>	
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## ASSIGNMENT

WHEREAS, NATIONAL UNIVERSITY CORPORATION OITA UNIVERSITY (hereinafter "OITA"), having an office for the transaction of business at 700, Oaza Dannoharu, Oita-shi, Oita 870-1192, Japan, and CELGENE CORPORATION (hereinafter "CELGENE"), a corporation organized and existing under the laws of the state of Delaware, and having an office for the transaction of business at 86 Morris Avenue, Summit, New Jersey, 07901, U.S.A., are parties to a certain Institutional Materials Transfer Agreement made and entered into as of February 24, 2011 among OITA, CELGENE, and Dr. Hidekatsu Iha, and as amended now or after the date of execution of this Assignment (hereinafter "the Agreement"), pursuant to which CELGENE and OITA shall jointly own all patent applications governed by the Agreement;

WHEREAS the invention set forth in the following patent application is included within the Agreement: patent application identified by Jones Day docket no. 12827-935-888 (CAM 226269-888935), which is U.S. Application No. 62/237,905, filed on October 6, 2015, entitled "METHODS FOR DETERMINING DRUG EFFICACY FOR TREATMENT OF CANCERS USING RATIOS OF CEREBLON ASSOCIATED PROTEINS" (hereinafter "the Patent Application");

WHEREAS the inventors of the Patent Application have assigned 100% of their interest in the Patent Application to OITA;

WHEREAS, pursuant to the Agreement, CELGENE and OITA wish to acknowledge joint ownership of the Patent Application and invention therein, such that CELGENE and OITA have an undivided joint right, title and interest in, to and under the Patent Application and the invention set forth therein, and all applications for patent claiming priority thereto or based thereon pursuant to the terms of the Agreement; and

WHEREAS, for the avoidance of doubt, CELGENE and OITA, by the assignment described herein, hold equal shares in the Patent Application and the invention set forth therein, and all applications claiming priority thereto or based thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, OITA has assigned, transferred and set over, pursuant to the terms of the Agreement, and by this Assignment does hereby assign, transfer and set over, unto CELGENE, and its successors, legal representatives and assigns, an undivided joint right, title and interest, while retaining in OITA an undivided joint right, title and interest, in, to and under the Patent Application and the invention set forth therein, and all applications for patents claiming priority thereto or based thereon, including any Patent Cooperation Treaty applications, and all divisions, renewals and continuations of the US Patent Application, and all patents of the United States which may be granted on any of the foregoing and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from the US Patent Application under the patent laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application may be filed, as applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and all right to sue for infringement including past, present, and future infringement,

AND OITA HEREBY authorizes and requests any Official of any country or countries, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to CELGENE and OITA, as joint assignees, their respective successors, legal representatives and assigns, in accordance with the terms of this instrument.

IN WITNESS WHEREOF, OITA has caused this assignment to be executed by its duly authorized representative.

(SIGNATURE PAGE IMMEDIATELY FOLLOWS)

ASSIGNOR: NATIONAL UNIVERSITY CORPORATION OITA UNIVERSITY

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Title: \_\_\_\_\_

Date \_\_\_\_\_

May 23

Kenji Tomihata

Witness 1 - Signature

Kenji TOMIHATA

Witness 1 - Printed Name

Date \_\_\_\_\_

May 23

Shoji Fukunaga

Witness 2 - Signature

shoji Fukunaga

Witness 2 - Printed Name

ACCEPTED AND AGREED TO BY ASSIGNEE, CELGENE CORPORATION:

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Title: \_\_\_\_\_