

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
TAKEDA PHARMACEUTICAL COMPANY LIMITED	04/06/2016
RECEIVING PARTY DATA	
Name:	MILLENNIUM PHARMACEUTICALS, INC.
Street Address:	40 LANDSDOWNE STREET
City:	CAMBRIDGE
State/Country:	MASSACHUSETTS
Postal Code:	02139
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15923015
CORRESPONDENCE DATA	
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<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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ATTORNEY DOCKET NUMBER:	3817.0310004
NAME OF SUBMITTER:	JOSHUA G. MCCOY , REG. NO. 70307
SIGNATURE:	/Joshua McCoy/
DATE SIGNED:	03/16/2018
Total Attachments: 2	
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ASSIGNMENT

WHEREAS, **TAKEDA PHARMACEUTICAL COMPANY LIMITED** (hereinafter "ASSIGNOR") of **1-1, DOSHOMACHI 4-CHOME, CHUO-KU, OSAKA-SHI, OSAKA, JAPAN 541-0045**, is aware of the patent application entitled:

**HETEROARYL COMPOUNDS USEFUL AS INHIBITORS OF SUMO
ACTIVATING ENZYME;**

- ☐ prepared for filing in the United States Patent and Trademark Office; or
- ☒ identified by United States Application No. **14/788,675** filed in the United States Patent and Trademark Office on **June 30, 2015**; and/or PCT International Application No. **PCT/US15/38712**, filed on **June 30, 2015**; and
- ☒ is also aware of the following priority applications:
- Serial No.: **62/019,756**; Filed: **July 1, 2014**
Serial No.: **62/185,678**; Filed **June 28, 2015**

WHEREAS, **MILLENNIUM PHARMACEUTICALS, INC.** (hereinafter "ASSIGNEE"), having a usual place of business at **40 LANDSDOWNE STREET, CAMBRIDGE, MA 02139**, desires to acquire or confirm an interest therein;

NOW, THEREFORE, to all whom it may concern be it known that, in consideration of agreements previously and duly entered into between the parties, and/or for other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby confirms and/or declares that it has sold, assigned, and transferred and/or does hereby sell, assign, and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, its entire right, title, and interest in and throughout the United States of America, its territories, and all foreign countries, in and to any and all inventions described in the patent application, and/or any priority applications noted above; and hereby confirm that its sale, assignment and transfer is and was effective at least as of the filing date of the patent application and/or priority application. ASSIGNOR'S sale, assignment and transfer applies to the above-referenced patent application, and to any application that is based in whole or in part on the patent application, including to divisional, continuing, substitute, renewal, reissue, reexamination and other applications, for example, that claim priority to the patent application. Also, this sale, assignment and transfer pertains to any and all other rights arising under or pursuant to any and all international agreements, treaties, or laws relating to the protection of industrial property, including all rights of priority under the International Convention for the Protection of Industrial Property, and in and to any such patent(s) as may issue thereon including any and all original and reissued patents which have been or shall be issued in the United States and foreign countries; said inventions, applications, and patent(s) to be held and enjoyed by ASSIGNEE for its own use and for its successors, assigns and legal representatives, to the full end of the term for which said patent(s) may be granted as fully and entirely as the same would have been held by ASSIGNOR had this sale, assignment and transfer not been made;

AND, ASSIGNOR hereby acknowledges that this Assignment, being of its entire right, title, and interest in and to the inventions, carries with it the right in ASSIGNEE, by attorneys and agents of ASSIGNEE selection, to apply for and receive any and all patent(s) for said inventions in its own name;

AND, ASSIGNOR hereby further agrees for itself and its 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 patent(s) to ASSIGNEE, its successors, assignees, and legal representatives, but at its expense and charges, including the execution of application for patents in foreign countries, the execution of substitution, reissue, divisional or continuation applications, and the giving of testimony, preliminary statements, or other statements in any interference or other proceeding in which the inventions or any applications or patents directed to the inventions may be involved by communicating to the ASSIGNEE all facts ASSIGNOR knows relating to the inventions and their history, and generally by doing everything possible which ASSIGNEE shall consider desirable for aiding in securing and maintaining proper patent protection for the inventions and for vesting title in the inventions and all applications for patent and all patents on the inventions in ASSIGNEE;

AND, ASSIGNOR further hereby authorizes ASSIGNEE or its attorneys or agents to insert the correct serial number(s) and/or filing date(s) into this assignment document, if appropriate;

AND, ASSIGNOR hereby requests the Director of Patents and Trademarks of the United States to issue any and all patent(s) as shall be granted upon said application or applications based thereon to ASSIGNEE, its successors, assigns, and legal representatives;

AND, ASSIGNOR covenants with said ASSIGNEE that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by ASSIGNOR, and that full right to convey the same as herein expressed is possessed by ASSIGNOR.

IN TESTIMONY WHEREOF, ASSIGNOR by its duly authorized representative acting on his own free will have caused this instrument to be duly executed and have hereunto set his hand and affixed his seal on the dates set forth below.

SIGNED this 6th day of April, 2016.

TAKEDA PHARMACEUTICAL COMPANY
LIMITED.

By: Yoichi Okumura

Name: Yoichi Okumura

Title: Global Head of IP
Takeda Pharmaceutical Company Ltd.

Witness Signature: Kiyomi Nakano

Kiyomi Nakano
Name (please print):

Apr. 6, 2016
Date

Witness Signature: Izumi Shimizu

Izumi SHIMIZU
Name (please print):

Apr 6, 2016
Date