PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
TAKEDA PHARMACEUTICALS U.S.A., INC.	04/05/2019

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:	29666354

CORRESPONDENCE DATA

Fax Number:

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.

Phone: (312) 374-8084

Email: jbisbikis@leonardmeyerllp.com

Correspondent Name: JOHN G. BISBIKIS

Address Line 1: 120 NORTH LASALLE STREET

Address Line 2: SUITE 2000

Address Line 4: CHICAGO, ILLINOIS 60602

ATTORNEY DOCKET NUMBER:	827-00002
NAME OF SUBMITTER:	JOHN G. BISBIKIS
SIGNATURE:	/John G. Bisbikis/
DATE SIGNED:	04/05/2019

Total Attachments: 3

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PATENT 505414635 REEL: 048810 FRAME: 0126

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ASSIGNMENT

WHEREAS, <u>Takeda Pharmaceuticals U.S.A.</u>, <u>Inc.</u> (hereinafter "ASSIGNOR"), a corporation having its principal place of business at One Takeda Parkway, Deerfield, IL 60015, U.S.A. has acquired an undivided interest in U.S. Patent Application No. 29/666,354 filed on October 11, 2018.

WHEREAS, <u>Millennium Pharmaceuticals</u>, <u>Inc.</u> (herinafter "ASSIGNEE"), a corporation having its principal place of business at 40 Landsdowne Street, Cambridge, Massachusetts 02139, desires to acquire said undivided interest therein in accordance with agreements duly entered into with ASSIGNOR;

NOW, THEREFORE, in consideration of said agreements and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignor has sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, all of its right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefor and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, including all rights of priority, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignor, had this sale and assignment not been made.

AND for the same consideration, Assignor hereby represents and warrants to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee and that the same are unencumbered and that

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Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignor hereby covenants and agrees to and with Assignee, its successors, legal representatives and assigns, that Assignor will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignor hereby requests the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignor hereby grants the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

LEONARDMEYER LLP

AND Assignor acknowledges an obligation of assignment of this invention to Assignee at the time the invention was made.

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IN TESTIMON own free will h	IY WHE	REOF, AS	SIGNOR ment to b	by its duly authorized representative acting on its e duly executed on the date set forth below.
SIGNED this_	5th	day of	April	, 2019.
				Takeda Pharmaceuticals U.S.A., INC.
				Jan Baranda
			0	Print Name: Jason Baranski
				Print Title: General Counsel, US
				Witness (1):
				Roby UW 7
				Print Name: Randy Under coffer
				Print Title: Course Taked &
				Witness (2):
			(Bedley
				Print Name: Touch Wickley
				Print Title: <u>Director Commercial</u> Reimbursement
				Acknowledged and Accepted by:
				Millennium Pharmaceuticals, Inc.
				- Carlos Car

Print Name: Constance Yeung

Print Title: Vice President, IP Region Head