

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA	04/19/2018
RECEIVING PARTY DATA	
Name:	AGIOS PHARMACEUTICALS, INC.
Street Address:	88 SIDNEY STREET
City:	CAMBRIDGE
State/Country:	MASSACHUSETTS
Postal Code:	02139
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15963784
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SIGNATURE:	/Ioana Davies/
DATE SIGNED:	03/02/2020
Total Attachments: 3	
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ASSIGNMENT

For valuable consideration, we, The Trustees Of The University Of Pennsylvania of 3160 Chestnut Street, Suite 200, Philadelphia, Pennsylvania 19104, a university of higher education in Pennsylvania (hereinafter called "the Assignor"), hereby assign to Agios Pharmaceuticals, Inc., a corporation of Delaware having a place of business at 88 Sidney Street, Cambridge, Massachusetts 02139, and its successors and assigns (collectively hereinafter called "the Assignee"), our entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for the United States Patent entitled:

METHODS AND COMPOSITIONS FOR CELL-PROLIFERATION-RELATED DISORDERS

filed August 16, 2016, and assigned U.S. Serial Number 15/238,161, this assignment, including said application, and any and all continuations, continuations-in-part, and divisional applications, and any and all United States and foreign patents (including reissues, reexaminations, extensions), utility models, and design registrations granted for any of said inventions or improvements (including without limitation U.S. Patent Application No. 14/504,983, filed October 2, 2014; U.S. Patent Application No. 13/617,332, filed September 14, 2012; U.S. Patent Application No. 13/452,136, filed April 20, 2012; International Patent Application No. PCT/US2010/053623, filed October 21, 2010; U.S. Provisional Application No. 61/266,930, filed December 4, 2009; and U.S. Provisional Application No. 61/253,821, filed October 21, 2009, all entitled METHODS AND COMPOSITIONS FOR CELL-PROLIFERATION-RELATED DISORDERS), to this assignment, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventor's certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other

lawful documents as the Assignee may reasonably request to effectuate fully this assignment, the effectiveness of this assignment including as of the filing date of the above-identified application and any applications from which the above-identified application claims benefit of.

In the event that the execution date, filing date and/or Application No. are not entered or are incorrect at the time the Assignor executed this document, the Assignor hereby authorizes and requests an attorney of the Assignee to insert the information or make the correction.

By: The Trustees Of The University Of Pennsylvania

April 19, 2018
Date

Jennifer Langenberger
Signature

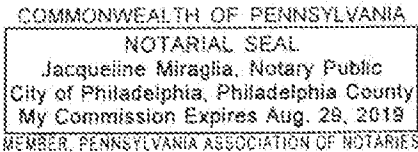
Name: Jennifer Langenberger
Title: Director, Intellectual Property

Authorized Representative of The Trustees
Of The University Of Pennsylvania

STATE OF Pennsylvania :
COUNTY OF Philadelphia :

On this 19th day of April, 2018, before me, the undersigned Notary Public, personally appeared Jennifer Langenberger, proved to me through satisfactory evidence of identification, which were Signer is Personally Know by me, to be the person whose name is signed on the preceding or attached document in my presence.

SEAL



Jacqueline Miraglia
Notary Public
My Commission Expires 08/29/2019

ACCEPTED AND AGREED TO BY ASSIGNEE: Agios Pharmaceuticals, Inc.:

Signature: [Signature]

Date: April 20, 2018

Printed name: MIN WANG

Title: General Counsel