

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
THE GEORGE WASHINGTON UNIVERSITY	09/07/2017
RECEIVING PARTY DATA	
Name:	SIVASUBRAMANIAN BALASUBRAMANIAN
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PROPERTY NUMBERS Total: 2	
Property Type	Number
Patent Number:	8889950
Application Number:	14514099
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DATE SIGNED:	09/27/2017
Total Attachments: 3	
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ASSIGNMENT

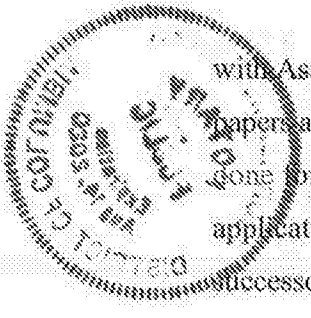
THIS ASSIGNMENT, made on the date set forth below by The George Washington University, a Congressionally Chartered Not-For-Profit Corporation, having its principal place of business at Rice Hall, Suite 601, 2121 I Street, NW, Washington, DC 20052 (hereinafter referred to as "Assignor") and Sivasubramanian BALASUBRAMANIAN, residing at 273/146 Dharma Raja Street, Rajapalayam - 626117, Tamil Nadu, India. (hereinafter referred to as "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

WHEREAS, Assignor desires to transfer and assign to Assignee, and Assignee desires to accept the transfer and assignment of all of Assignor's right, title and interest in and to REPRESSION OF ATGLR3.2 INCREASES PLANT BIOMASS set forth in a United States Patent No. 8,889,950 issued on November 18, 2014 and GLUTAMATE RECEPTORS IN NUTRIENT SENSING, METABOLISM, GROWTH AND DEVELOPMENT set forth in an Application for Letters Patent of the United States, filed on October 14, 2014 as U.S. Patent Application No. 14/514,099 and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon.

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency 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, the entire right, title and interest in and to the above-mentioned inventions in all forms or embodiments thereof and application for Letters Patent, and in and to any and all direct and indirect divisions, renewals, substitutes, non-provisionals, 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, prolongations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignees, 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, Assignor is the sole and lawful owner of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that 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 without charge to Assignee: 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, renewal; substitute, non-provisional, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination, prolongation 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 acknowledges an obligation of assignment of this invention to Assignee at the time the invention was made.

ASSIGNOR (THE GEORGE WASHINGTON UNIVERSITY):

Date: 9/11/17

Signature: [Signature]
Name: Louis H. Katz
Title: Executive VP & Treasurer

United States of America)
State of District of Columbia) ss.:
County of Columbia)

On this 11th day of Sept, 2017, before me personally came Louis H. Katz to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

[Signature]
Notary Public

