

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Jianming Xie	05/20/2011
Lital Alfonta	05/22/2011
Peter G. Schultz	05/20/2011
RECEIVING PARTY DATA	
Name:	The Scripps Research Institute
Street Address:	10550 North Torrey Pines Road
City:	La Jolla
State/Country:	CALIFORNIA
Postal Code:	92037
PROPERTY NUMBERS Total: 5	
Property Type	Number
Application Number:	12734226
Application Number:	12257303
Application Number:	61000491
Application Number:	61001265
PCT Number:	US0881024
CORRESPONDENCE DATA	
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<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
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ATTORNEY DOCKET NUMBER:	54-002621US

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PATENT
REEL: 026631 FRAME: 0147

NAME OF SUBMITTER:

Christina Onufryk

Total Attachments: 4

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ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Jianming Xie of 400 Ortega Avenue, #222, Mountain View, California 94040, Lital Alfonta, 54 Nurst Street, Omer 84965, Israel and Peter G. Schultz of 1650 La Jolla Rancho Road, La Jolla, California 92037 hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Application No.	Filed on	Title of Invention
12/734,226	April 19, 2010	Genetic Incorporation of 3-aminotyrosine Into Reductases
12/257,303	October 23, 2008	Genetic Incorporation of 3-aminotyrosine Into Reductases
61/000,491	October 25, 2007	The Site-Specific Incorporation of a Redox-active and Chemically-Reactive Amino Acid into Proteins in E. coli.
61/001,265	October 30, 2007	The Site-Specific Incorporation of Redox-Active and Chemically-Reactive Amino Acid Into Proteins in E. Coli
PCT/US2008/081024	October 23, 2008	Genetic Incorporation of 3-aminotyrosine Into Reductases

WHEREAS, The Scripps Research Institute, a corporation, located at 10550 North Torrey Pines Road, La Jolla, California 92037, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and which claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the

invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignors have signed his/her name on the date indicated.

Dated: 05/20/2011

Jianming Xie
Jianming Xie

SIGNATURE WITNESSED BY:

(1) Date: 05/20/2011

Qihong Yang
Signature of Witness

Dated: _____

Lital Alfonta

SIGNATURE WITNESSED BY:

(1) Date: _____

Signature of Witness

Dated: _____

Peter G. Schultz

SIGNATURE WITNESSED BY:

(1) Date: _____

Signature of Witness

Assignment
Application No.: 12/734,226
Page 2

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IN TESTIMONY WHEREOF, Assignors have signed his/her name on the date indicated.

Dated: _____

Jianming Xie

SIGNATURE WITNESSED BY:

(1) Date: _____

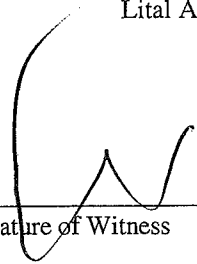
Signature of Witness

Dated: 5/22/11


Lital Alfonta

SIGNATURE WITNESSED BY:

(1) Date: 5/22/11


Signature of Witness

Dated: _____

Peter G. Schultz

SIGNATURE WITNESSED BY:

(1) Date: _____

Signature of Witness

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Dated: _____

Jianming Xie

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Signature of Witness

Dated: _____


Lital Alfonta

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(1) Date: _____

Signature of Witness

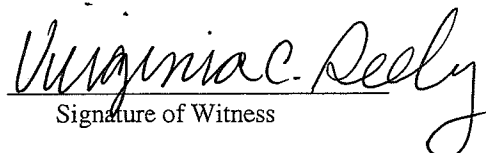
Dated: 5/20/2011



Peter G. Schultz

SIGNATURE WITNESSED BY:

(1) Date: 5/20/2011



Signature of Witness