


Attorney Docket No. 54-001020US

FORM PTO-1595 (Rev. 6-04)		Recordation Form Cover Sheet (Patents Only)		U.S. Department of Commerce Patent and Trademark Office	
To the Honorable Asst. Commissioner for Patents. Please record the attached original documents or copy thereof					
1. Name of conveying party(ies): Zhiwen Zhang Lital Alfonta Peter Schultz Additional name(s) of conveying parties attached? NO			2. Name and address of receiving party(ies) Name: The Scripps Research Institute Internal Address: Street Address: 10550 North Torrey Pines Road La Jolla, California 92037 Additional names and addresses attached? No		
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: Execution Date: February 15, 2005, February 12, 2005 and February 16, 2005					
4. Application Number(s) or Patent Numbers. If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No(s): 11/016348 Additional numbers attached? No B. Patent No(s):					
5. Name and address of party to whom correspondence concerning document should be mailed: Name: QUINE INTELLECTUAL PROPERTY LAW GROUP, P.C. P.O. Box 458 Alameda, CA 94501 (510) 337-7871			6. Total number of applications and patents involved 1 7. Total fee (37 CFR 3.41): -----\$40.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Charge Fees to Deposit Account <input checked="" type="checkbox"/> Charge any additional fees associated with this paper or during the pendency of this application, or credit any overpayment, to deposit account. 8. Deposit account number: 50-0893		
DO NOT USE THIS SPACE					
9. Statement and signature. <i>To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true of copy of the original document.</i> <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="width: 30%;"> <p>Gary Baker Name of Person Signing Atty Reg. No. 41,595</p> </div> <div style="width: 30%; text-align: center;">  <p>Signature</p> </div> <div style="width: 30%; text-align: center;"> <p>March 3, 2005 Date</p> </div> </div> <p style="text-align: right;">Total number of pages including cover sheet, attachments and document 5</p>					
10. Change Correspondence Address to that of Part 5? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
OMB No. 0651-0027 (exp. 06/30/2005)					
<p>Mail documents to be recorded with required cover to:</p> <p style="text-align: center;">Do not detach this portion</p> <p style="text-align: center;">Assignment Recordation Services Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450</p>					

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PATENT

REEL: 015832 FRAME: 0331

Attorney Docket No.: 54-001020US
Client Reference No.: 1021.2/NOV0402P (Novartis Ref: 4-33962/SCR)

ASSIGNMENT OF PATENT APPLICATION

WHEREAS, Zhiwen Zhang, of 12751 Via Terceto, San Diego, CA 92130 United States, Lital Alfonta of 1665 Palmilla Drive, Apt. 5316, San Diego, CA 92122 United States, and Peter Schultz of 1650 La Jolla Ranch Road, La Jolla, CA 92037 United States of America, 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:

Title of Invention: SELECTIVE INCORPORATION OF 5-
HYROXYTRYPTOPHAN INTO
PROTEINS IN MAMMALIAN CELLS

Filing Date: December 16, 2004

Application No.: 11/016348; and

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.

Assignment
Application No.: 11/016348
Page 2

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

Dated: 02/15/2005

Zhiwen Zhang
Zhiwen Zhang

SIGNATURE WITNESSED BY:

(1) Date: 2/15/05

[Signature]
Signature of Witness

Dated: _____

Lital Alfonta

SIGNATURE WITNESSED BY:

(1) Date: _____

Signature of Witness

Dated: _____

Peter Schultz

SIGNATURE WITNESSED BY:

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(1) Date: _____

Signature of Witness

Dated: 2-15-05

Li
Lital Alfonta

SIGNATURE WITNESSED BY:

(1) Date: 2/15/05

[Signature]
Signature of Witness

Dated: 2/16/05

[Signature]
Peter Schultz

SIGNATURE WITNESSED BY:

(1) Date: 2/16/05

[Signature]
Signature of Witness