

Form PTO-1595 (Rev. 07/05)  
OMB No. 0651-0027 (exp. 6/30/2008)

U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office

<b>CAB</b>	<b>RECORDATION FORM COVER SHEET PATENTS ONLY</b>	<b>S-110,871</b>
To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.		
<b>1. Name of conveying party(ies)</b> The Scripps Research Institute  Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>2. Name and address of receiving party(ies)</b> Name: <u>United States Department of Energy</u> Internal Address: _____  Street Address: <u>1000 Independence Ave., S.W.</u>  City: <u>Washington</u> State: <u>D.C.</u> Country: <u>USA</u> Zip: <u>20585</u>  Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<b>3. Nature of conveyance/Execution Date(s):</b> Execution Date(s) <u>February 22, 2007</u> <input type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Joint Research Agreement <input type="checkbox"/> Government Interest Assignment <input checked="" type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other _____	<b>4. Application or patent number(s):</b> <input type="checkbox"/> This document is being filed together with a new application. A. Patent Application No.(s) Serial No. <u>10/126,931</u>  B. Patent No.(s)  Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<b>5. Name and address to whom correspondence concerning document should be mailed:</b> Name: <u>Mark P. Dvorscak</u> Internal Address: <u>U. S. Dept. of Energy, IPLD</u>  Street Address: <u>9800 S. Cass Ave</u>  City: <u>Argonne</u> State: <u>IL</u> Zip: <u>60439</u> Phone Number: <u>630-252-2393</u> Fax Number: <u>630-252-2779</u> Email Address: _____	<b>6. Total number of applications and patents involved:</b> <u>1</u>  <b>7. Total fee (37 CFR 1.21(h) &amp; 3.41) \$</b> _____ <input type="checkbox"/> Authorized to be charged by credit card <input type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> None required (government interest not affecting title)  <b>8. Payment Information</b> a. Credit Card Last 4 Numbers _____ Expiration Date _____  b. Deposit Account Number _____ Authorized User Name _____	
<b>9. Signature:</b> <u>Michael J. Dobbs</u> <u>3/19/07</u> <div style="display: flex; justify-content: space-between;"> <span>Signature</span> <span>Date</span> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <span>Michael J. Dobbs #58,093 Name of Person Signing</span> <div style="border: 1px solid black; padding: 2px; text-align: center;"> <b>2</b> </div> </div>		

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1460, Alexandria, V.A. 22313-1460

# CONFIRMATORY LICENSE

(Nonprofit Organizations or Small Business Firms)

Title : "Methods And Compositions For The Production of Orthogonal  
tRNA-aminoacyl tRNA Synthetase Pairs"

Inventor(s) : Peter Schultz, Lei Wang, John Christopher Anderson, Jason Chin, David  
R. Liu, Thomas J. Magliery, Eric L. Meggers, Ryan Aaron Mehl, Miro  
Pastrnak, Stephen William Santoro, Zhiwen Zhang

Application Serial Number: 10/126,931 Filing Date: 4/19/2002

Patent Number: 7,083,970 Issue Date: 8/1/2006

Contractor : The Scripps Research Institute

Contract No.: DE-FG03-00ER45812, DE-AC03-76SF00098

DOE Case No. : S-110,871 Disclosure No.:827.3 / Discl. No. 2003-054,  
2003-055, 2003-071, 2003-072

Patent Rights Clause No: **DEAR 952.227-11**

Foreign Applications filed in or intended to be filed at Contractor's expense in (countries):


---

The contractor, having the right to retain title to Subject Inventions as a result of Public Law 96-517, has reported the above-identified invention as a Subject Invention to DOE with its election to retain title thereto.

Accordingly, this document is confirmatory of the nonexclusive, nontransferable, irrevocable, paid-up, worldwide, license to practice or to have practiced for or on behalf of the United States, required by the Public Law and the above-identified contract, in this subject invention, patent application and any resulting patent, as well as any continuation, divisional, reissue, supplemental or continuation-in-part thereof, throughout the world and of all other rights acquired by the Government by the above-identified patent rights clause, a copy of which is attached hereto and incorporated by reference herein. The undersigned certifies the attached copy to be a true copy of said clause. It is understood and agreed that this license does not preclude the Government from asserting rights under the provisions of said contract or of any other agreement between the Government and the Contractor, or from asserting any other rights of the Government with respect to the above-identified subject invention.

The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent application.

Signed this 22<sup>nd</sup> day of February, 2007

  
(Contractor)

Jennifer L. Dyer, Director, Technology Development  
(Contractor's Official and Title)

PATENT

RECORDED: 03/15/2007

REEL: 019026 FRAME: 0627

\*\* INITIAL PAGE \*\*