

**PATENT ASSIGNMENT**

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	EXECUTIVE ORDER 9424, CONFIRMATORY LICENSE
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SCRIPPS RESEARCH INSTITUTE	02/17/2005
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	National Institutes of Health (NIH), U.S. Dept. of Health and Human Services (DHHS), U.S. Government
<b>Street Address:</b>	NIH Division of Extramural Inventions and Technology Resources (DEITR)
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<b>City:</b>	Bethesda
<b>State/Country:</b>	MARYLAND
<b>Postal Code:</b>	20892-7980
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	11009635
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<b>Total Attachments: 1</b> source=11009635mrs-p0001 - p0002#page2.tif	

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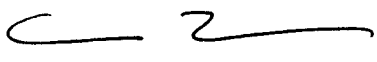
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This instrument confers to the United States Government, as represented by the Department of Health and Human Services, a nonexclusive, nontransferable, irrevocable, paid-up license to practice or have practiced on its behalf throughout the world the following subject invention:

**TSRI No.:** 827.3 Div. 2/Disc. 2003-055, 2003-071, 2003-072  
**Invention Title:** "Methods and Composition for the Production of Orthogonal tRNA-AminocyltRNA Synthetase Pairs"  
**Inventors:** Peter Schultz, Lei Wang, John Anderson, Jason Chin, David Liu, Thomas Magliery, Eric Meggers, Ryan Mehl, Miro Pastnak, Stephen Santoro, Zhiwen Zhang  
**U.S. Application**  
**Serial No.:** 11/009,635  
**Filing Date:** 12/10/04  
**Title:** "Methods and Composition for the Production of Orthogonal tRNA-AminocyltRNA Synthetase Pairs"  
**Country, if other than United States:**

This subject invention was conceived or first actually reduced to practice in performance of a Government-funded project, National Institutes of Health Grant No. GM62159.

Principal rights to this subject invention have been left with the Licensor: **THE SCRIPPS RESEARCH INSTITUTE**, subject to the provisions of 37 CFR 401 and 45 CFR 8.

Signed:   
Arnold LaGuardia  
Executive Vice President  
The Scripps Research Institute

Date: 2.17.05