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Name(s): Izumi Horikawa and J. Carl Barrett  
Execution Date(s): September 3, 2003

3. Name and address of receiving party  Check here if additional name(s) & address(es) are attached  
Name The Government of the United States of America as represented by the Secretary of the Department of Health and Human Services  
Address National Institutes of Health  
Office of Technology Transfer, Suite 325  
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A.  This document is being filed with a new application. Execution date is: \_\_\_\_\_  
B.  Patent Application No.: 10/456,830  
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Debra A. Gordon, Ph.D.  
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## ASSIGNMENT

We, Izumi Horikawa, of Rockville, MD, a citizen of Japan, and J. Carl Barrett, of Rockville, MD, a citizen of the United States of America, have invented a certain invention entitled **COMPOSITIONS AND METHODS FOR ENHANCING DIFFERENTIAL EXPRESSION** for which U.S. Patent Application No. 10/456,830 was filed June 5, 2003.

We were employed by the Department of Health and Human Services at the time the invention was made. The conditions under which said invention was made are such as to entitle The Government of the United States of America under Paragraph 1(a) of Executive Order 10096, to the entire right, title, and interest in the invention, in the United States and all other countries throughout the world.

In consideration of our obligations under Executive Order 10096, and other valuable consideration, we the undersigned, have sold, assigned, and transferred and do sell, assign, and transfer to The Government of the United States of America as represented by the Secretary of the Department of Health and Human Services (hereinafter **THE GOVERNMENT**), and successors and assigns, the full and exclusive right, title, and interest in the patent application and invention throughout the United States of America, its territories and dependencies, and all other countries. This includes an assignment of all Letters Patent that may be granted on the invention in the United States of America and all countries throughout the world, and any divisional, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof; and the right to claim priority from the patent application as provided for by United States law, the Patent Cooperation Treaty, the European Patent Convention, the Paris Convention, or other applicable law.

We authorize and request the issuance of said Letters Patent to **THE GOVERNMENT**, as assignee of the entire right, title, and interest to be held as fully and entirely as the same would have been held by us had this assignment not been made.

We warrant that there are no outstanding assignments, grants, liens, encumbrances, or agreements either written, oral, or implied that will impair, diminish, limit, or abridge the interest herein conveyed at the time of the execution of the present assignment.

We also agree upon reasonable request to communicate to **THE GOVERNMENT**, its representatives, assigns or agents, any facts known to us respecting the invention, and to testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, provide all requested documents, and do everything reasonably possible to aid **THE GOVERNMENT** and its assigns to obtain and enforce proper patent protection for the invention in the United States or any foreign country. These provisions are binding upon our heirs, legal representatives, administrators and assigns.

We have authorized **THE GOVERNMENT** to file and prosecute this patent application, as well as any corresponding international or national applications that claim priority from it. **THE GOVERNMENT** has the right to select attorneys or agents of its choice to prosecute at its discretion these applications on its behalf.

We grant the law firm of Klarquist Sparkman, LLP, the power to insert on this Assignment any further information that may be necessary or desirable in order to comply with all applicable legal requirements, including the rules of the United States Patent and Trademark Office, for submitting and recording this document.

