

## PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Jane-Jane Chen</td><td>09/24/1992</td></tr><tr><td>Irving M. London</td><td>09/24/1992</td></tr></tbody></table>		Name	Execution Date	Jane-Jane Chen	09/24/1992	Irving M. London	09/24/1992				
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Irving M. London	09/24/1992										
RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>Massachusetts Institute of Technology</td></tr><tr><td>Street Address:</td><td>77 Massachusetts Avenue</td></tr><tr><td>City:</td><td>Cambridge</td></tr><tr><td>State/Country:</td><td>MASSACHUSETTS</td></tr><tr><td>Postal Code:</td><td>02139</td></tr></table>		Name:	Massachusetts Institute of Technology	Street Address:	77 Massachusetts Avenue	City:	Cambridge	State/Country:	MASSACHUSETTS	Postal Code:	02139
Name:	Massachusetts Institute of Technology										
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PROPERTY NUMBERS Total: 1											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Patent Number:</td><td>5690930</td></tr></tbody></table>		Property Type	Number	Patent Number:	5690930						
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Patent Number:	5690930										
CORRESPONDENCE DATA											
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### ASSIGNMENT

We, Jane-Jane Chen of 30 Chilton Street, Belmont, Massachusetts 02178, and Irving M. London of 41 Fresh Pond Lane, Cambridge, Massachusetts 02138, in consideration of Five Dollars and other valuable consideration paid to us by Massachusetts Institute of Technology, a corporation of Massachusetts having its principal place of business at 77 Massachusetts Avenue, Cambridge, Massachusetts 02139, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said Massachusetts Institute of Technology, its successors and assigns, the entire interest for the United States of America and its territories and all foreign countries and jurisdictions including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in "DNA Encoding the HEME-Regulated Eukaryotic Initiation Factor 2 $\alpha$  Kinase" described in an application filed herewith in the United States Patent and Trademark Office, and in all Letters Patent of the United States and its territories and all foreign countries and jurisdictions which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuation, continuation-in-part, renewals, reissue or other applications based in whole or in part thereon. And we agree, for ourselves and our executors and administrators, with said corporation and its successors and assigns but at its or their expense or charges, hereafter to execute all applications, amended specifications, deeds or other instruments, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters

"DNA Encoding the HEME-Regulated Eukaryotic  
Initiation Factor 2 $\alpha$  Kinase"  
By: Jane-Jane Chen, et al.  
Filed: August 31, 1992  
ASSIGNMENT

Patent as shall be granted upon said application or applications  
based thereon to said corporation, its successors and assigns.

WITNESS my hand and seal this 24 day of September,  
1992.

Jane - Jane Chen  
Jane-Jane Chen

Commonwealth of Massachusetts )  
County of Middlesex ) ss.

Then personally appeared the above named Jane-Jane Chen and  
acknowledged the foregoing instrument to be her free act and deed,  
before me, this 24 day of September, 1992.

William M. Toscano  
WILLIAM M. TOSCANO, NOTARY PUBLIC  
MY COMMISSION EXPIRES  
APRIL 1, 1999

WITNESS my hand and seal this 24 day of September,  
1992.

Irving M. London  
Irving M. London

Commonwealth of Massachusetts )  
County of Middlesex ) ss.

Then personally appeared the above named Irving M. London and  
acknowledged the foregoing instrument to be his free act and deed,  
before me, this 24 day of September, 1992.

William M. Toscano  
WILLIAM M. TOSCANO, NOTARY PUBLIC  
MY COMMISSION EXPIRES  
APRIL 1, 1999

PATENT