

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT										
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Stephen T. Warren</td> <td>03/11/2003</td> </tr> <tr> <td>Victoria Brown-Kennerly</td> <td>03/11/2003</td> </tr> <tr> <td>Peng Jin</td> <td>03/11/2003</td> </tr> <tr> <td>Stephanie Ceman</td> <td>03/11/2003</td> </tr> </tbody> </table>		Name	Execution Date	Stephen T. Warren	03/11/2003	Victoria Brown-Kennerly	03/11/2003	Peng Jin	03/11/2003	Stephanie Ceman	03/11/2003
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Peng Jin	03/11/2003										
Stephanie Ceman	03/11/2003										
<b>RECEIVING PARTY DATA</b>											
<b>Name:</b>	Emory University										
<b>Street Address:</b>	1599 Clifton Rd. NE										
<b>Internal Address:</b>	4th Floor, Mail Stop 1599-001-1AZ										
<b>City:</b>	Atlanta										
<b>State/Country:</b>	GEORGIA										
<b>Postal Code:</b>	30322										
<b>PROPERTY NUMBERS Total: 1</b>											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>10495728</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	10495728						
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Application Number:	10495728										
<b>CORRESPONDENCE DATA</b>											
<b>Fax Number:</b>	(919)862-2260										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
<b>Phone:</b>	919-862-2311										
<b>Email:</b>	jenn.garrison@alston.com										
<b>Correspondent Name:</b>	Edward R. Ergenzinger										
<b>Address Line 1:</b>	3201 Beechleaf Court, Suite 600										
<b>Address Line 4:</b>	Raleigh, NORTH CAROLINA 27604-1500										
<b>NAME OF SUBMITTER:</b>	Edward R. Ergenzinger										

CH \$40.00 10495728

Total Attachments: 9  
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ASSIGNMENT

THIS ASSIGNMENT, effective 15 November 2001, made by us, Stephen T. Warren, Victoria Brown-Kennerly, Peng Jin and Stephanie Ceman, all citizens of United States of America, residing at 2305 Kimbrough Ct., Atlanta, GA 30322 USA; 351 Hillcrest Ave., #8, Decatur, GA 30030 USA; 2990 Shillingford Ct. SE, Marietta, GA 30067 USA; and 1699 McLendon Ave. NE, #B, Atlanta, GA 30307 USA, respectively;

WITNESSETH: That,

WHEREAS, we are inventors of certain new and useful improvements in *METHOD AND IDENTIFICATION OF DOWNSTREAM mRNA LIGANDS TO FMRP AND THEIR ROLE IN FRAGILE X SYNDROME AND ASSOCIATED DISORDERS*, for which an international application under the Patent Cooperation Treaty (PCT) has been filed in the Receiving Office of the United States Patent and Trademark Office on November 15, 2002 under International Application No. PCT/US02/36861, and which claims priority of U.S. Application No. 60/336,249, filed November 15, 2001.

WHEREAS, **Emory University**, an educational institution organized and existing under the laws of the United States of America and having a principal office at 2009 Ridgewood Drive, Atlanta GA 30322, USA, hereinafter referred to as assignee, is desirous of acquiring the entire right, title, and interest in and to said invention as described in said application, and in and to any and all Letters Patent which shall be granted therefore in the United States of America and all foreign countries;

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold and by these presents do hereby sell, assign, transfer and convey unto the said assignee, its successors and assigns, our entire right, title, and interest in and to the said invention and application, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues thereof which may be granted therefore or thereon, for the full end of the term for which said Letters Patent may be granted, together with the right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said assignee, its successors and assigns, as

fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not be made.

We hereby request that said Letters Patent be issued in accordance with this assignment.


We further covenant and agree that, at the time of the execution and delivery of these presents, we possess full title to the invention and application above-mentioned, and that we have the unencumbered right and authority to make this assignment.

We further covenant and agree to bind our heirs, legal representatives and assigns, promptly to communicate to said assignee or its representatives any facts known to us relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the assignee, its representatives, successors or assigns to secure patent or similar protection for the said invention in all countries and to vest in the assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said assignee, its successors, assigns and other legal representatives.

IN WITNESS WHEREOF, we have herunto set our hands and seals on this 11 day of March, 2003.

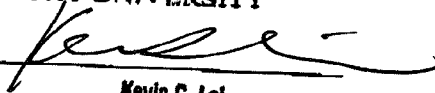
  
\_\_\_\_\_  
Stephen T. Warren (SEAL)

\_\_\_\_\_  
Victoria Brown-Kennerly (SEAL)

  
\_\_\_\_\_  
Peng Jin (SEAL)

\_\_\_\_\_  
Stephanic Ceman (SEAL)

EMORY UNIVERSITY



Kevin C. Lei  
Assitant Director and Senior Licensing Associate  
Office of Technology Transfer

fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not be made.

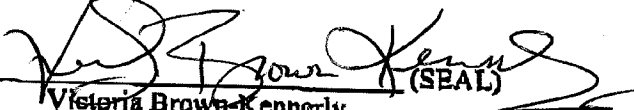
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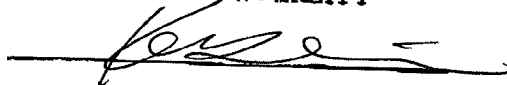
  
\_\_\_\_\_  
Stephen T. Warren (SEAL)

  
\_\_\_\_\_  
Victoria Brown-Kennerly (SEAL)

  
\_\_\_\_\_  
Peng Jiu (SEAL)

\_\_\_\_\_  
Stephanic Ceman (SEAL)

EMORY UNIVERSITY



Kevin C. Lei  
Assistant Director and Senior Licensing Associate  
Office of Technology Transfer

Page 2 of 5

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We hereby request that said Letters Patent be issued in accordance with this assignment.

We further covenant and agree that, at the time of the execution and delivery of these presents, we possess full title to the invention and application above-mentioned, and that we have the unencumbered right and authority to make this assignment.


We further covenant and agree to bind our heirs, legal representatives and assigns, promptly to communicate to said assignee or its representatives any facts known to us relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the assignee, its representatives, successors or assigns to secure patent or similar protection for the said invention in all countries and to vest in the assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said assignee, its successors, assigns and other legal representatives.

IN WITNESS WHEREOF, we have herunto set our hands and seals on this \_\_\_\_\_ day of \_\_\_\_\_, 2002.

  
\_\_\_\_\_  
Stephen T. Warren (SEAL)

\_\_\_\_\_  
Victoria Brown-Kennerly (SEAL)

  
\_\_\_\_\_  
Peng Jin (SEAL)

  
\_\_\_\_\_  
Stephanie Ceman (SEAL)

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Kevin C. Lei  
Assitant Director and Senior Licensing Associate  
Office of Technology Transfer

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STATE OF Georgia )  
COUNTY OF Cobb )

I, Mary P. Darden, a Notary Public for said County and State, do hereby certify that Stephen T. Warren personally appeared before me this day acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 11<sup>th</sup> day of March, 2002.

(Official Seal)

Mary P. Darden  
Notary Public

Mary P Darden  
Notary Public, Cobb County, Georgia  
My Commission Expires July 23, 2004

My commission expires: \_\_\_\_\_

STATE OF \_\_\_\_\_ )  
COUNTY OF \_\_\_\_\_ )

I, \_\_\_\_\_, a Notary Public for said County and State, do hereby certify that **Victoria Brown-Kennerly** personally appeared before me this day acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the \_\_\_\_\_ day of \_\_\_\_\_, 2002.

(Official Seal)

\_\_\_\_\_  
Notary Public

My commission expires: \_\_\_\_\_

STATE OF Georgia )  
COUNTY OF Cobb )

I, Mary P. Darden, a Notary Public for said County and State, do hereby certify that Stephen T. Warren personally appeared before me this day acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 11<sup>th</sup> day of March, 2002.

(Official Seal)

Mary P. Darden  
Notary Public

Mary P Darden  
Notary Public, Cobb County, Georgia  
My Commission Expires July 23, 2004

My commission expires: \_\_\_\_\_

STATE OF Washington )  
COUNTY OF King )

I, Paul Pearson, a Notary Public for said County and State, do hereby certify that Victoria Brown-Kennerly personally appeared before me this day acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 11<sup>th</sup> day of March, 2002.

(Official Seal)



Paul Pearson  
Notary Public

My commission expires: 5/2/05



STATE OF Georgia )

COUNTY OF Cobb )

I, Mary P. Darden, a Notary Public for said County and State, do hereby certify that Peng Jin personally appeared before me this day acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 11<sup>th</sup> day of March, 2002.

(Official Seal)

Mary P. Darden  
Notary Public

Mary P Darden  
Notary Public, Cobb County, Georgia  
My Commission Expires July 23, 2004

My commission expires: \_\_\_\_\_

STATE OF \_\_\_\_\_ )

COUNTY OF \_\_\_\_\_ )

I, \_\_\_\_\_, a Notary Public for said County and State, do hereby certify that Stephanie Ceman personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the \_\_\_\_\_ day of \_\_\_\_\_, 2002.

(Official Seal)

\_\_\_\_\_  
Notary Public

My commission expires: \_\_\_\_\_

STATE OF Georgia )  
COUNTY OF Cobb )

I, Mary P. Darden, a Notary Public for said County and State, do hereby certify that Peng JIn personally appeared before me this day acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 11th day of March 2003.

(Official Seal)



Mary P Darden  
Notary Public, Cobb County, Georgia  
My Commission Expires July 23, 2004

Mary P. Darden  
Notary Public

My commission expires: \_\_\_\_\_

STATE OF Illinois )  
COUNTY OF Champaign )

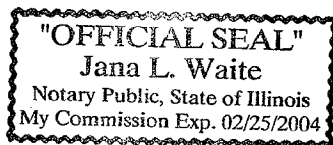
I, Jana L. Waite, a Notary Public for said County and State, do hereby certify that Stephanie Ceman personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 10th day of March 2003.

(Official Seal)

Jana L. Waite  
Notary Public

My commission expires: 02/25/2004



STATE OF Georgia )  
COUNTY OF DeKalb ) ss:

On this 24<sup>th</sup> day of March, 200~~8~~<sup>6</sup>, before me, a Notary Public, personally came and appeared Kevin Lee to me known and known to me to be the Kevin Lee of Emory University, an educational institution organized and existing under the laws of the United States of America, and who duly acknowledged to me that he/she executed the foregoing document and is duly entitled to sign the foregoing document on behalf of the university.



Helen Carter  
Notary Public

My Commission Expires: 3/24<sup>th</sup> 2006