

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

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>Philip W. Landfield</td> <td>10/25/2012</td> </tr> <tr> <td>John C. Gant</td> <td>10/25/2012</td> </tr> <tr> <td>Eric M. Blalock</td> <td>10/25/2012</td> </tr> <tr> <td>Kuey-Chu Chen</td> <td>10/25/2012</td> </tr> </tbody> </table>		Name	Execution Date	Philip W. Landfield	10/25/2012	John C. Gant	10/25/2012	Eric M. Blalock	10/25/2012	Kuey-Chu Chen	10/25/2012
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<table border="1"> <tr> <td>Name:</td> <td>University of Kentucky Research Foundation</td> </tr> <tr> <td>Street Address:</td> <td>A144, ASTeCC Building</td> </tr> <tr> <td>City:</td> <td>Lexington</td> </tr> <tr> <td>State/Country:</td> <td>KENTUCKY</td> </tr> <tr> <td>Postal Code:</td> <td>40506</td> </tr> </table>		Name:	University of Kentucky Research Foundation	Street Address:	A144, ASTeCC Building	City:	Lexington	State/Country:	KENTUCKY	Postal Code:	40506
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CORRESPONDENCE DATA											
<p>Fax Number: 2027568087  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 202-756-8000        Email: mweipdocket@mwe.com        Correspondent Name: MCDERMOTT WILL &amp; EMERY LLP        Address Line 1: The McDermott Building        Address Line 2: 500 North Capitol Street, N.W.        Address Line 4: WASHINGTON, DISTRICT OF COLUMBIA 20001</p>											
ATTORNEY DOCKET NUMBER:	050229-0611										
NAME OF SUBMITTER:	Judith Toffenetti										
<p>Total Attachments: 4        source=Assignment_050229-0611#page1.tif        source=Assignment_050229-0611#page2.tif        source=Assignment_050229-0611#page3.tif        source=Assignment_050229-0611#page4.tif</p>											

CH \$40.00 13608596

## ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made this 25<sup>th</sup> day of October, 2012, by Philip W. LANDFIELD; John C. GANT; Eric M. BLALOCK; and Kuey-Chu CHEN (hereinafter referred to as Assignors), residing at 500 Rose Street, Lexington, KY 40536;

WHEREAS, Assignors have invented certain new and useful improvements in METHODS FOR DIAGNOSING AND TREATING ALZHEIMER'S DISEASE (AD) USING THE MOLECULES THAT STABILIZE INTRACELLULAR CALCIUM (Ca<sup>2+</sup>), set forth in a Patent application for Letters Patent of the United States, already filed on September 10, 2012 as U.S. Application No. 13/608,596; and

WHEREAS, UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION, a corporation of the Commonwealth of Kentucky and having its principal place of business at A144, AStEC Building (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

**AND** for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

**AND** for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

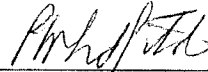
**AND** Assignors hereby request the Commissioner for Patents and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

**AND** Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

MCDERMOTT WILL & EMERY LLP

All practitioners at Customer Number 20277

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.



Philip W. Landfield

Date: at 25, 2012

United States of America )

State of

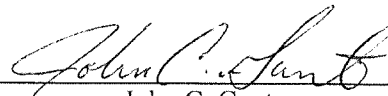
Kentucky )

ss.: 132-32-1139

County of

Fayette )

On this 25th day of OCTOBER, 2012, before me personally came Philip W. Landfield, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

  
473711  
Notary Public

John C. Gant

Date: 10-25-2012

United States of America )

State of

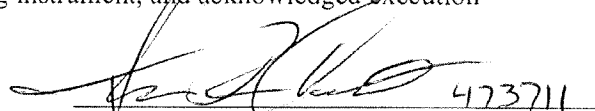
Kentucky )

ss.: 403-27-7936

County of

Fayette )

On this 25th day of OCTOBER, 2012, before me personally came John C. Gant, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

  
473711  
Notary Public

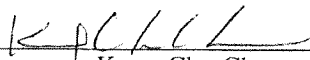
  
Eric M. Blalock

Date: Oct 25, 2012

United States of America )  
State of Kentucky ) ss.: 569-12-2841  
County of Fayette )

On this 25th day of OCTOBER, 2012, before me  
personally came Eric M. Blalock, to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged execution  
of the same.

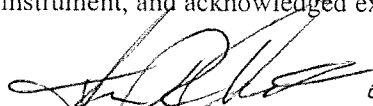
  
Notary Public 473711

  
Kuey-Chu Chen

Date: 10-25-2012

United States of America )  
State of Kentucky ) ss.: 565-57-6762  
County of Fayette )

On this 25th day of OCTOBER, 2012, before me  
personally came Kuey-Chu Chen, to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged execution  
of the same.

  
Notary Public 473711