

PATENT ASSIGNMENT

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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>Steven R. Brant</td> <td>11/30/2011</td> </tr> <tr> <td>Amir Karban</td> <td>02/12/2012</td> </tr> <tr> <td>Franklin Nouvet</td> <td>03/16/2012</td> </tr> <tr> <td>Theodore M. Bayless</td> <td>11/30/2011</td> </tr> <tr> <td>James J. Potter</td> <td>11/30/2011</td> </tr> <tr> <td>Esteban Mezey</td> <td>11/30/2011</td> </tr> <tr> <td>Toshihiko Okazaki</td> <td>02/08/2012</td> </tr> </tbody> </table>		Name	Execution Date	Steven R. Brant	11/30/2011	Amir Karban	02/12/2012	Franklin Nouvet	03/16/2012	Theodore M. Bayless	11/30/2011	James J. Potter	11/30/2011	Esteban Mezey	11/30/2011	Toshihiko Okazaki	02/08/2012
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<table border="1"> <tr> <td>Name:</td> <td>The Johns Hopkins University</td> </tr> <tr> <td>Street Address:</td> <td>3400 N. Charles Street</td> </tr> <tr> <td>City:</td> <td>Baltimore</td> </tr> <tr> <td>State/Country:</td> <td>MARYLAND</td> </tr> <tr> <td>Postal Code:</td> <td>21218</td> </tr> </table>		Name:	The Johns Hopkins University	Street Address:	3400 N. Charles Street	City:	Baltimore	State/Country:	MARYLAND	Postal Code:	21218						
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CORRESPONDENCE DATA																	
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Address Line 4:	Boston, MASSACHUSETTS 02205																
ATTORNEY DOCKET NUMBER:	61095(71699)																

CH \$40.00 10818037

NAME OF SUBMITTER:

Melissa Hunter-Ensor, Ph.D., Esq.

Total Attachments: 11

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ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made by Steven R. Brant; Amir Karban; Franklin Nouvet; Theodore M. Bayless; James J. Potter; Esteban Mezey; and Toshihiko Okazaki (hereinafter referred to as Assignors), residing at 11 Redmile Ct., Reisterstown, Maryland 21136; 6721 Bonnie Ridge Road, Apt. 202, Baltimore, Maryland 21209; 211 McCamish Ct., Severn, Maryland 21144; 2206 South Road, Baltimore, Maryland 21209; 3402 Roysten Avenue, Baltimore, Maryland 21214; 1103 Harriton Road, Baltimore, Maryland 21210; and 5 Wychwood Ct., #201, Baltimore, Maryland 21209, respectively;

WHEREAS, Assignors have invented certain new and useful improvements in METHODS FOR DETECTING A POLYMORPHISM IN THE NFKB1 GENE PROMOTER, set forth in a Patent application for Letters Patent of the United States, already filed on April 5, 2004 as U.S. Application No. 10/818,037; and

WHEREAS, The Johns Hopkins University, having a place of business at 3400 N. Charles Street, Baltimore, Maryland 21218 (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, for 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 therefor 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 of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions

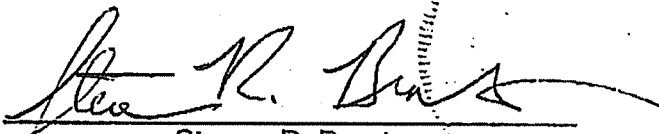
and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

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:

EDWARDS ANGELL PALMER & DODGE LLP

All practitioners at Customer Number 49383

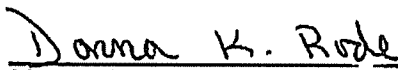
AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.


Steven R. Brant

Date: 11/30/2011

United States of America)
State of Maryland) ss.:
County of Baltimore)

On this 30th day of November, 2011, before me
personally came Steven R. Brant, to me known to be the individual
described in and who executed the foregoing instrument, and acknowledged execution
of the same.


Notary Public
My commission expires: August 7, 2015

Karban
Amir Karban

Date: 2/12/2012

United States of America)
State of ISRAEL) ss.:
County of HAIFA)

On this 12 day of FEBRUARY, 2012, before me
personally came Amir Karban, to me known to be the individual
described in and who executed the foregoing instrument, and acknowledged execution
of the same.

Notary Public



March ^{CBW}
Date: 16 April 2012

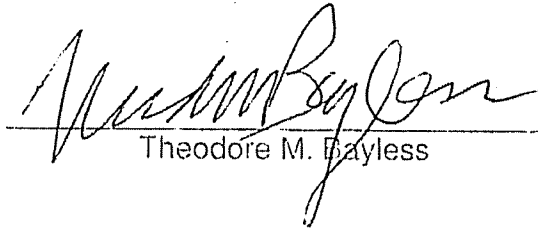
Franklin Nouvet
Franklin Nouvet

United States of America)
State of Tennessee) ss.:
County of Williamson)

On this 16th day of March, 2012, before me
personally came Franklin Nouvet, to me known to be the individual
described in and who executed the foregoing instrument, and acknowledged execution
of the same.

Catherine B. Witherspoon
Notary Public
Commission expires 6/16/2013

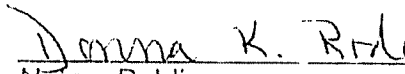



Theodore M. Bayless

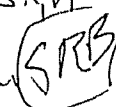
Date: November 30, 2011

United States of America)
State of Maryland) ss.:
County of Baltimore)

On this 30th day of November, 2011, before me
personally came Theodore M. Bayless, to me known to be the individual
described in and who executed the foregoing instrument, and acknowledged execution
of the same.


Notary Public
My Commission Expires:
August 7, 2015

Please sign
I let Jim know
it's here



James J. Potter
James J. Potter


Date: 11/30/2011

United States of America)
State of Maryland) ss.:
County of Baltimore)

On this 30th day of November, 2011, before me
personally came James J. Potter, to me known to be the individual
described in and who executed the foregoing instrument, and acknowledged execution
of the same.

Donna K. Rude
Notary Public

my Commission expires:
August 7, 2015

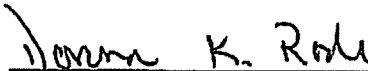


Esteban Mezey

Date: 11/30/2011

United States of America)
State of Maryland) ss.:
County of Baltimore)

On this 30th day of November, 2011, before me
personally came Esteban Mezey, to me known to be the individual
described in and who executed the foregoing instrument, and acknowledged execution
of the same.



Notary Public

my Commission Expires:
August 7, 2015

Toshihiko Okazaki
Toshihiko Okazaki

Date: Feb. 08, 2012

United States of America)
State of) ss.:
County of)

On this _____ day of _____, _____, before me
personally came Toshihiko Okazaki, to me known to be the individual
described in and who executed the foregoing instrument, and acknowledged execution
of the same.

Tsunenori Toru
Notary Public



証人

平成 24 年 登簿 第 9 号

認 証

嘱託人岡崎利彦は、本公証人の面前で、別紙書面に署名した。

上記認証する。

平成 24 年 2 月 8 日本公証人の役場において

福岡市博多区博多駅前 3 丁目 25 番 24 号

福岡法務局所属

公証人

照屋 常信



Registered No.9 of 2012

NOTARIAL CERTIFICATE

This is to certify that Toshihiko Okazaki has affixed him signature in my very presence to the attached document .

Date this 8 day of February, 2012 .

Fukuoka Legal Affairs Bureau

Notary

Tsurunobu Teruya

3-25-24 Hakataekimae Hakata-ku, Fukuoka,
Japan,