

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Mary Collins	05/25/2010
Debra D. Donaldson	05/05/2010
Lori J. Fitz	05/25/2010
Tamlyn Y. Neben	04/15/2010
Matthew James Whitters	05/20/2010
Clive R. Wood	05/07/2010
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Genetics Institute, LLC
<b>Street Address:</b>	87 CambridgePark Drive
<b>City:</b>	Cambridge
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	02140
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	10989313
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(617)395-7070
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
<b>Phone:</b>	6173957000
<b>Email:</b>	arhpatents@ll-a.com
<b>Correspondent Name:</b>	Allyson R. Hatton
<b>Address Line 1:</b>	Lando & Anastasi, LLP
<b>Address Line 2:</b>	One Main Street
<b>Address Line 4:</b>	Cambridge, MASSACHUSETTS 02142
<b>ATTORNEY DOCKET NUMBER:</b>	W2023-701340

CH \$40.00 10989313

**501201236**

**PATENT  
 REEL: 024517 FRAME: 0348**

NAME OF SUBMITTER:

Allyson R. Hatton

**Total Attachments: 8**

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Assignment of Invention

In consideration of the payment by ASSIGNEE to ASSIGNORS of good and valuable consideration, the receipt of which is hereby acknowledged,  
ASSIGNORS:

(1) Full Name of Inventor: Mary COLLINS  
Residence: 54 Rathbun Road, Natick, MA 01760  
Citizenship: United States of America

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(2) Full Name of Inventor: Debra D. DONALDSON  
Residence: 108 Blakely Road, Medford, MA 02155  
Citizenship: United States of America

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(3) Full Name of Inventor: Lori J. FITZ  
Residence: 54 Conwell Avenue, #2, Somerville, MA 02144  
Citizenship: United States of America

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(4) Full Name of Inventor: Tamlyn Y. NEBEN *TMN 4/15/10*  
Residence: ~~668 Savoy Ct., Walnut Creek, CA 94598~~ *2219 EL AMIGO Road*  
Citizenship: United States of America *DEL MAR, CA 92014*

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(5) Full Name of Inventor: Matthew James WHITTERS  
Residence: 14 Brenton Wood Road, Hudson, MA 01749  
Citizenship: United States of America

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(6) Full Name of Inventor: Clive R. WOOD  
Residence: 2 Hawthorne Pl. # 17R, Boston, MA 02114  
Citizenship: United States of America

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hereby sells, assigns and transfers to ASSIGNEE:

Genetics Institute, LLC  
87 CambridgePark Drive  
Cambridge, Massachusetts 02140

and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest for the United States and its territorial possessions and in all foreign countries, including all rights to claim priority, in and to the invention entitled:  
**METHODS AND COMPOSITIONS FOR TREATING ASTHMA**

and invented by ASSIGNORS and the following additional inventor:  
Marsha WILLS-KARP

and which is found in U.S. Application No. 10/989,313 filed on: November 15, 2004

I/we the ASSIGNOR signing below, hereby authorize and request insertion above of the application number and filing date, when they become known,

[also check if foreign application(s) is(are) also being assigned]

and any legal equivalent thereof in a foreign country,

including the right to claim priority, including any and all improvements disclosed therein, and in and to all Letters Patent to be obtained for said invention by the above application or any subsequently filed provisional, nonprovisional, continuation, divisional, renewal, or substitute thereof, and as to Letters Patent any reissue or re-examination thereof.

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNORS authorize ASSIGNEE to make applications for and to receive Letters patent for said invention in any of said countries in its own name, or in ASSIGNORS' names, at its election.

ASSIGNORS covenant and agree to execute or procure any further necessary assurance of the title to said invention and any Letters Patent which may issue therefore and to, at any time, upon the request and at the expense of ASSIGNEE deliver any testimony in any interference, litigation or proceeding related thereto and execute all papers that may be necessary or desirable to perfect the title to said invention or any Letters Patent which may be granted therefore in ASSIGNEE, its successors, assigns or other legal representatives, and that to, at any time, upon the request and at the expense of ASSIGNEE execute any continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to Letters Patent and reissue or re-examination thereof, or any other additional applications of Letters Patent for said invention or any part thereof, all of which applications and any Letters Patent issuing thereon are hereby assigned to ASSIGNEE, and will make all rightful oaths or declarations, and do all lawful acts requisite for procuring the same therein, without further compensation, but at the expense of ASSIGNEE, its successors, assigns or other legal representatives.

ASSIGNORS authorize and request the Commissioner of Patents to issue any and all Letters Patent of the United States for said invention; resulting from any of the aforesaid applications to its ASSIGNEE.

Mary Collins  
Mary COLLINS

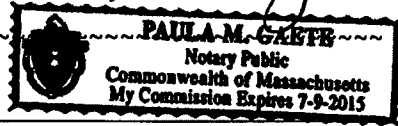
May 25, 2010  
Date

ACKNOWLEDGMENT

State of Massachusetts  
County of Middlesex SS:

On the 25<sup>th</sup> day of May 2010, before me, personally appeared Mary COLLINS, proved to me through satisfactory evidence of identity which was no license to be the person whose name is signed on the preceding or attached document, and acknowledged that she executed the same, of her own free will and for the purposes set forth.

Paula M. Garte  
Notary Public



Debra D. DONALDSON

Date

ACKNOWLEDGMENT

State of \_\_\_\_\_  
County of \_\_\_\_\_ SS:

On the \_\_\_\_\_ day of \_\_\_\_\_ 2010, before me, personally appeared Debra D. DONALDSON, proved to me through satisfactory evidence of identity which was \_\_\_\_\_ to be the person whose name is signed on the preceding or attached document, and acknowledged that she executed the same, of her own free will and for the purposes set forth.

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

Mary COLLINS

Date

ACKNOWLEDGMENT

State of \_\_\_\_\_

ss:

County of \_\_\_\_\_

On the \_\_\_\_\_ day of \_\_\_\_\_ 2010, before me, personally appeared Mary COLLINS, proved to me through satisfactory evidence of identity which was \_\_\_\_\_ to be the person whose name is signed on the preceding or attached document, and acknowledged that she executed the same, of her own free will and for the purposes set forth.

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

*Debra D. Donaldson*  
Debra D. DONALDSON

MAY - 5 - 2010  
Date

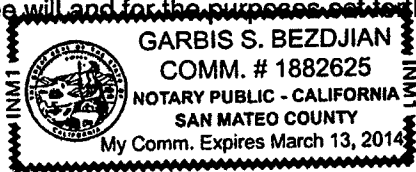
ACKNOWLEDGMENT

State of CALIFORNIA

ss:

County of SAN MATEO

On the MAY day of 5 - 2010 2010, before me, personally appeared Debra D. DONALDSON, proved to me through satisfactory evidence of identity which was \_\_\_\_\_ to be the person whose name is signed on the preceding or attached document, and acknowledged that she executed the same, of her own free will and for the purposes set forth.



*Gerbis S. Bezdjian*  
Notary Public

Lori J  
Lori J. FITZ

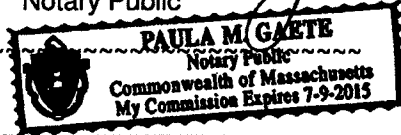
5/25/2010  
Date

ACKNOWLEDGMENT

State of MASSACHUSETTS  
County of MIDDLESEX ss:

On the 25<sup>th</sup> day of MAY 2010, before me, personally appeared Lori J. FITZ, proved to me through satisfactory evidence of identity which was MA license to be the person whose name is signed on the preceding or attached document, and acknowledged that she executed the same, of her own free will and for the purposes set forth.

Paula M. Gaete  
Notary Public



\_\_\_\_\_  
Tamlyn Y. NEBEN

\_\_\_\_\_  
Date

ACKNOWLEDGMENT

State of \_\_\_\_\_  
County of \_\_\_\_\_ ss:

On the \_\_\_\_\_ day of \_\_\_\_\_ 2010, Tamlyn Y. NEBEN, personally appeared before me, known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that she executed the same, of her own free will and for the purposes set forth.

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

\_\_\_\_\_  
Lori J. FITZ

\_\_\_\_\_  
Date

ACKNOWLEDGMENT

State of \_\_\_\_\_

ss:

County of \_\_\_\_\_

On the \_\_\_\_\_ day of \_\_\_\_\_ 2010, before me, personally appeared Lori J. FITZ, proved to me through satisfactory evidence of identity which was \_\_\_\_\_ to be the person whose name is signed on the preceding or attached document, and acknowledged that she executed the same, of her own free will and for the purposes set forth.

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

~~~~~  
*Tamlyn Y. Neben*  
\_\_\_\_\_  
Tamlyn Y. NEBEN

\_\_\_\_\_  
*4/15/10*  
\_\_\_\_\_  
Date

ACKNOWLEDGMENT

State of California

ss:

County of San Diego

On the 15<sup>th</sup> day of April 2010, Tamlyn Y. NEBEN, personally appeared before me, known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that she executed the same, of her own free will and for the purposes set forth.



\_\_\_\_\_  
*Holly J. Keil*  
\_\_\_\_\_  
Notary Public





Matthew James WHITTERS

Date

ACKNOWLEDGMENT

State of \_\_\_\_\_

ss:

County of \_\_\_\_\_

On the \_\_\_\_\_ day of \_\_\_\_\_ 2010, before me, personally appeared Matthew James WHITTERS, proved to me through satisfactory evidence of identity which was \_\_\_\_\_ to be the person whose name is signed on the preceding or attached document, and acknowledged that he executed the same, of his own free will and for the purposes set forth.

Notary Public

[Signature]  
Clive R. WOOD

May 7th 2010  
Date

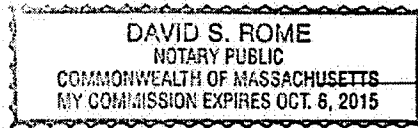
ACKNOWLEDGMENT

State of MASS

ss:

County of Essex

On the 7 day of May 2010, before me, personally appeared Clive R. WOOD, proved to me through satisfactory evidence of identity which was Mr. Devereaux to be the person whose name is signed on the preceding or attached document, and acknowledged that he executed the same, of his own free will and for the purposes set forth.



[Signature]  
Notary Public