### PATENT ASSIGNMENT

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SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Leonard D. Shultz	01/05/2011

#### **RECEIVING PARTY DATA**

Name:	The Jackson Laboratory
Street Address:	610 Main Street
City:	Bar Harbor
State/Country:	MAINE
Postal Code:	04609

#### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12942666

## CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: | JLA-10302/47

NAME OF SUBMITTER: Julie K. Staple

**Total Attachments: 3** 

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> PATENT REEL: 025599 FRAME: 0670

JH \$40.00 12942

RECORDATION FORM COVER SHEET			
PATENTS ONLY			
To the Director of the U.S. Patent and Trademark Office: Please	record the attached documents or the new address(es) below.		
Name of conveying party(ies):	2. Name and address of receiving party(ies)		
Leonard D. Shultz	Name: The Jackson Laboratory		
	Internal Address:		
Additional name(s) of conveying party(ies) attached? Yes X No	Street Address:		
3. Nature of conveyance/Execution Date(s):			
Execution Date(s): January 5, 2011	610 Main Street		
X Assignment Merger Change of Name			
Security Agreement Joint Research Agreement	City: Bar Harbor		
Government Interest Assignment	State: Maine		
Executive Order 9424, Confirmatory License	Country: United States of America Zip: 04609		
Other	Additional name(s) & address(es) Yes X No attached?		
4. Application or patent number(s):  A. Patent Application No.(s)  12/942,666	his document is being filed together with a new application.  B. Patent No.(s)		
Additional numbers attached?	Yes X No		
<ol><li>Name and address to whom correspondence concerning document should be mailed:</li></ol>	6. Total number of applications and patents involved:		
Name: Julie K. Staple GIFFORD, KRASS, SPRINKLE, ANDERSON & CITKOWSKI, P.C.	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00		
Internal Address: Atty. Dkt.: JLA-10302/47			
Street Address: 2701 Troy Center Drive, Suite 330 Post Office Box 7021	X Authorized to be charged to deposit account  Enclosed  None required (government interest not affecting title)		
City: Troy	8. Payment Information		
State: MI Zip: 48007-7021			
Phone Number: (734) 913-9300			
Fax Number: (734) 913-6007	Deposit Account Number 07-1180		
Email Address: docket@patlaw.com	Authorized User Name Julie K. Staple		
9. Signature:	January 6, 2011		
Signature	Date		
✓Julie K. Staple - 50,434  Name of Person Signing	Total number of pages including cover sheet, attachments, and documents:		

#### ASSIGNMENT BY INVENTOR

**THIS ASSIGNMENT**, made by Leonard D. Shultz (hereinafter referred to as Assignor), residing at 80 Indian Point Rd., Bar Harbor, Maine 04609;

WHEREAS, Assignor has invented certain new and useful improvements in TRANSGENIC NON-HUMAN ANIMAL AND METHODS FOR STEM CELL ENGRAFTMENT, set forth in a Utility application for Letters Patent of the United States, Serial No. 12/942,666, filed November 9, 2010; and

WHEREAS, The Jackson Laboratory, having its principal place of business at 610 Main Street, Bar Harbor, Maine 04609 (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 valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor has sold, assigned, transferred and set over, and by these presents does 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 Assignor, had this sale and assignment not been made.

AND for the same consideration, Assignor hereby represents and warrants 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, Assignor is the sole and lawful owner of the entire right, title and interest in and to the said inventions and application for Letters Patent abovementioned, and that the same are unencumbered and that Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignor hereby covenants and agrees to and with Assignee, its successors, legal representatives and assigns, that Assignor 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

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assigns, shall advise: that any proceeding in connection with said inventions, or said Utility 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 Assignor hereby requests 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 Assignor hereby grants 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:

GIFFORD, KRASS, SPRINKLE, ANDERSON & CITKOWSKI, P.C.

All practitioners at Customer Number 25006

AND Assignor acknowledges an obligation of assignment of this invention to Assignee at the time the invention was made.

Date: Signature: Leonard D. Shultz