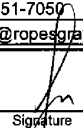
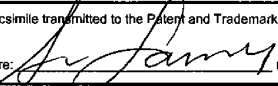


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1. Name of conveying party(ies): Robert A. Weinberg Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies) Name: <u>Whitehead Institute for Biomedical Research</u> Internal Address: _____ Street Address: _____ Nine Cambridge Center City: <u>Cambridge</u> State: <u>Massachusetts</u> Country: <u>United States of America</u> Zip: <u>02142-1479</u> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance/Execution Date(s): Execution Date(s): <u>July 27, 2005</u> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Change of Name <input type="checkbox"/> Security Agreement <input type="checkbox"/> Joint Research Agreement <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other _____	4. Application or patent number(s): <input type="checkbox"/> This document is being filed together with a new application. A. Patent Application No.(s) <u>11/123612</u> B. Patent No.(s) Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5. Name and address to whom correspondence concerning document should be mailed: Name: <u>Patricia Granahan, Sc.D.</u> <u>ROPES & GRAY LLP</u> Internal Address: <u>Atty. Dkt.: WIBL-P01-045</u> Street Address: <u>One International Place</u> City: <u>Boston</u> State: <u>MA</u> Zip: <u>02110-2624</u> Phone Number: <u>(617) 951-7449</u> Fax Number: <u>(617) 951-7050</u> Email Address: <u>PGranahan@ropesgray.com</u>	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ <u>40.00</u> <input type="checkbox"/> Authorized to be charged by credit card <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title)
9. Signature:  _____ Yu Lu, Ph.D. 50,306 Name of Person Signing	8. Payment Information a. Credit Card Last 4 Numbers _____ Expiration Date _____ b. Deposit Account Number <u>18-1945</u> Authorized User Name <u>Patricia Granahan, Sc.D.</u> Date: <u>August 9, 2005</u> Total number of pages including cover sheet, attachments, and documents: 5

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WIBL-P01-045

ASSIGNMENT

WHEREAS, I, Robert A. Weinberg, together with Tan A. Ince, have invented a certain improvement in HORMONE RESPONSIVE TISSUE CULTURE SYSTEM AND USES THEREOF described in an application for Letters Patent of the United States, the specification of which:

- is being executed on even date herewith; and is about to be filed in the United States Patent Office;
- was filed on **May 6, 2005** as Application No. **11/123612**
- was patented under U.S. Patent No _____ on _____.

WHEREAS, Whitehead Institute for Biomedical Research, a corporation existing under the laws of State of Delaware, having principal offices at Nine Cambridge Center, Cambridge, Massachusetts 02142-1479 desires to acquire an interest therein in accordance with agreements duly entered into with me;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, I have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with our entire right, title and interest in and to said application and such Letters Patent as may issue thereon, and any reissue, continuation, divisional and foreign counterparts thereof; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by me had this assignment not been made; I hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent, all choses in action pertaining to the applications or Letters Patent including the right to sue for and collect damages and other recoveries for past infringement thereof, all rights to initiate proceedings before government and administrative bodies, and all files, records and other materials arising from the prosecution, exploitation, or defense of rights and registrations pertaining to the applications or Letters Patent. I hereby acknowledge that this assignment, being of my entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys

WIBL-P01-045

and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, I hereby further agree for myself and my executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, I do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, I have hereunto set my hands and affixed our seal(s) the date set forth below.

Inventor's Signature:

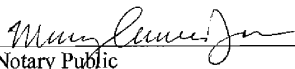


Robert A. Weinberg

State of MASSACHUSETTS)
County of MIDDLESEX)

Then personally appeared before me the above-named Robert A. Weinberg and acknowledged that he executed the foregoing instrument as his free act and deed this 24th day of July, 2005.

(SEAL)


Notary Public

My commission expires MAY 30, 2008

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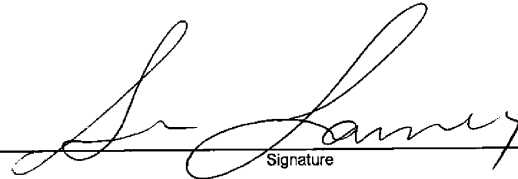
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