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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies):

Matthew L. Sherman

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)

Name: Accelaron Pharma Inc.

Internal Address: _____

Street Address: _____

149 Sidney Street

City: Cambridge

State: Massachusetts

Country: United States of America Zip: 02139

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance/Execution Date(s):

Execution Date(s): February 11, 2008

Assignment Merger Change of Name

Security Agreement Joint Research Agreement

Government Interest Assignment

Executive Order 9424, Confirmatory License

Other _____

4. Application or patent number(s):

A. Patent Application No.(s)

This application

This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Matthew P. Vincent, J.D., Ph.D.
ROPES & GRAY LLP

Internal Address: Atty. Dkt.: PHPH-022-103

Street Address: One International Place

City: Boston

State: MA Zip: 02110

Phone Number: (617) 951-7739

Fax Number: (617) 951-7050

Email Address: MVincent@ropesgray.com

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

Authorized to be charged by credit card

Authorized to be charged to deposit account

Enclosed

None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____

Expiration Date _____

b. Deposit Account Number 18-1945

Authorized User Name Matthew P. Vincent, J.D., Ph.D.

9. Signature:

September 29, 2008

Date

Jennifer K. Holmes, Ph.D., J.D. - 46,778

Name of Person Signing

Total number of pages including cover

3

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I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EM273859008US, on the date shown below in an envelope addressed to:
MS Assignment Recordation Services, Director of the US Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: 7/27/2008

Signature: Debra M. Gilbride (Debra M. Gilbride)

ASSIGNMENT

WHEREAS, I, **Matthew L. Sherman**, have invented a certain improvement in **ACTIVIN-ACTRII ANTAGONISTS AND USES FOR INCREASING RED BLOOD CELL LEVELS** 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 **December 18, 2007** as Application No. **12/002,872**
- was patented under U.S. Patent No _____ on _____.

WHEREAS, **Accelaron Pharma Inc.**, (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **State of Delaware**, having principal offices at **149 Sidney Street, Cambridge, MA 02139** 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, my 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 my 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 and including the right to claim priority under any applicable statute, treaty or convention based on said application; 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 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.

Inventor Matthew L. Sherman
Matthew L. Sherman

Date: 11 Feb 2008

Address 33 Janet Road
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Witness Suzanne Burke

Date: 2-11-08

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