

01-14-1999

FORM PTO-1595

(Rev. 6-93)

OMB No. 0051-0011 (exp. 4/94)

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U.S. DEPARTMENT OF COMMERCE  
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To the Honorable Commissioner of Patents and Trademarks, Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Bruce M. Spiegelman  
Pere Puigserver  
Zhidan WuAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 2. Name and address of receiving party(ies)

Name: Dana-Farber Cancer Institute

Internal Address: \_\_\_\_\_

Street Address: 44 Binney StreetCity: Boston State MA ZIP: 02115Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 3. Nature of conveyance

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other \_\_\_\_\_Execution Date: December 23, 1998

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is \_\_\_\_\_

A. Patent Application No.(s)

09/086,912

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Amy E. MandragourasInternal Address: Lahive & Cockfield, LLPStreet Address: 28 State Street

1/13/1999 DNGUYEN 00000291 09086912

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City Boston State: MA ZIP: 02109

## 6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41)... \$ \$40.00☒ Enclosed☐ Authorized to be charged to deposit account

## 8. Deposit account number:

12-0080

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## 9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Amy E. Mandragouras

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document:

3

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents and Trademarks, Box Assignments  
Washington, D.C. 20231PATENT  
REEL: 9690 FRAME: 0490

**ASSIGNMENT**

We, Bruce M. Spiegelman of Waban, Massachusetts; Pere Puigserver of Brookline, Massachusetts and Zhidan Wu of Boston, Massachusetts, in consideration of One Dollar and other valuable consideration paid to us by

**Dana-Farber Cancer Institute**

a corporation of Massachusetts, having its principal place of business at 44 Binney Street, Boston, Massachusetts 02115, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

**Dana-Farber Cancer Institute**

its successors and assigns, the entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in

*PGC-1, A Novel Brown Fat PPAR $\gamma$  CoActivator*

described in an application

\_\_\_\_\_ executed by us of even date herewith and about to be filed

  X   Serial No. 09/086,912, filed on May 29, 1998

in the United States Patent and Trademark Office, and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon. And we agree, for ourselves and our executors and administrators, with said corporation and its successors and assigns but at its or their expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

WITNESS my hand and seal this 23 day of December, 1998.

By: \_\_\_\_\_

Bruce M. Spiegelman

State of Massachusetts )

)ss

County of Suffolk )

Then personally appeared the above named Bruce M. Spiegelman and acknowledged the foregoing instrument to be his/her free act and deed, before me, this 23<sup>rd</sup> day of December, 1998.

Donna M. Presterone  
Notary Public Donna M. Presterone

My commission expires: 8/14/2002

**PATENT**  
**REEL: 9690 FRAME: 0491**

WITNESS my hand and seal this 23<sup>rd</sup> day of December, 1998.

By: Pere Puigserver

State of Massachusetts )  
 )ss  
County of Suffolk )

Then personally appeared the above named Pere Puigserver and acknowledged the foregoing instrument to be his/her free act and deed, before me, this 23<sup>rd</sup> day of December, 1998.

Donna M. Presterone  
Notary Public Donna M. Presterone

My commission expires: 8/16/2002

WITNESS my hand and seal this 23<sup>rd</sup> day of December, 1998.

By: Zhidan Wu  
Zhidan Wu

State of Massachusetts )  
 )ss  
County of Suffolk )

Then personally appeared the above named Zhidan Wu and acknowledged the foregoing instrument to be his/her free act and deed, before me, this 23<sup>rd</sup> day of December, 1998.

Donna M. Presterone  
Notary Public Donna M. Presterone

My commission expires: 8/16/2002