

Form PTO-1595 (Rev. 03/01) OMB No. 0651-0027 (exp. 5/31/2002)

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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 (06/10/2004), GUILLAUME ADELMANT (06/10/2004), AND PERE PUIGSERVER (06/30/2004)

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

3. Nature of Conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: see Box 1, conveying parties

2. Name and address of receiving party(ies)
 Name Dana-Farber Cancer Institute
 Internal Address _____
 Street Address 44 Binney Street
 City: Boston
 State: MA Zip: 02115
 Additional name(s) & address(es) attached: Yes No

4. Application number(s) or patent number(s):
 If this document is being filed together with a new application, the execution date of the new application is: _____
 A. Patent Application No (s) 10/482094
 B. Patent No.(s) _____
 Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
 Name: DeAnn F. Smith
LAHIVE & COCKFIELD, LLP
 Internal Address: Atty. Dkt.: DFN-037US
 Street Address 28 State Street
 City: Boston State MA Zip: 02109

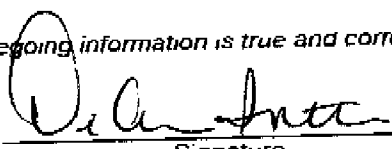
6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$ 40.00
 Enclosed
 Authorized to be charged to deposit account
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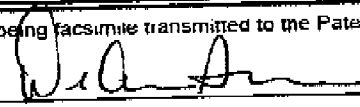
8. Deposit account number: 12-0080
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9. Statement and signature.
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document

DeAnn F. Smith - 36.683  July 20, 2004
 Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments, and documents: 6

I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office, facsimile no. (703) 306-5995, on the date shown below
 Dated July 20, 2004 Signature:  (DeAnn F. Smith)

CIH \$40.00 120080 10482094

ASSIGNMENT BY INVENTORS

WE, Bruce M. SPIEGELMAN, of Waban, Massachusetts; Guillaume ADELMANT, of Boston, Massachusetts; and Pere PUIGSERVER, Brookline, Massachusetts; in consideration of One Dollar and other valuable consideration paid to us by

Dana-Farber Cancer Institute, Inc.

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, Inc.

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

NOVEL, PGC-1 ISOFORMS AND USES THEREFOR

described in an application

Executed by us of even date herewith and about to be filed

or

Application No. 10/482094, filed on December 22, 2003

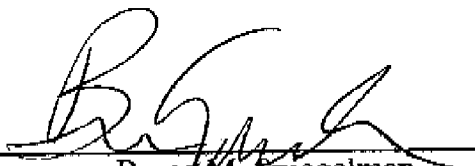
This application claims the benefit of the following provisional application(s):

Application No. 60/303,468, filed on July 5, 2001

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.

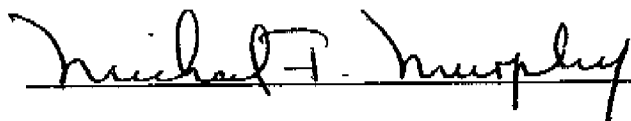
And we do further hereby grant the attorneys/agents of Lahive & Cockfield, LLP, the power to insert on this Assignment the filing date and/or application number of said application.


Bruce M. Spiegelman

Date: 6/10/04

United States of America)
State of Massachusetts) ss.:
County of Suffolk)

On this 10th day of June, 2004 before me, the the undersigned notary public, personally appeared D. Bruce M. Spiegelman (name of document signer), proved to me through satisfactory evidence of identification, which was his drivers license, to be the person whose name is signed on the preceding or attached document in my presence.


_____) (official signature and seal of notary)

My commission expires _____

Michael F. Murphy
Notary Public
Commonwealth of Massachusetts
My Commission Expires
September 13, 2007

Guillaume Adelmant
Guillaume Adelmant

Date: 6-10-04

United States of America
State of Massachusetts) ss.:
County of Suffolk)

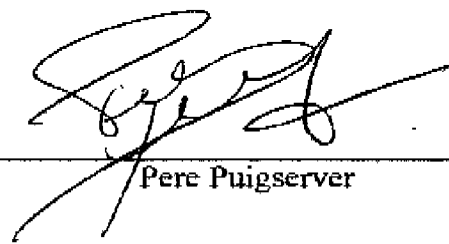
On this 10th day of June, 2004 before me, the
the undersigned notary public, personally appeared Guillaume Adelmant
(name of document signer), proved to me through satisfactory evidence of identification,
which was his Passport, to be the person whose name
is signed on the preceding or attached document in my presence.

Michael F. Murphy

(official signature and seal of notary)

My commission expires _____

Michael F. Murphy
Notary Public
Commonwealth of Massachusetts
My Commission Expires
September 13, 2007



Pere Puigserver

Date: 6/30/04

United States of America)
 State of _____) ss.:
 County of _____)

On this _____ day of _____, _____ before me, the
 the undersigned notary public, personally appeared _____
 (name of document signer), proved to me through satisfactory evidence of identification,
 which was _____, to be the person whose name
 is signed on the preceding or attached document in my presence.

 (official signature and seal of notary)

My commission expires _____