U.S. DEPARTMENT OF COMMERCE FORM **PTO-1595** VER SHEET 10-16-1998 (Rev. 6-93) Patent and Trademark Office OMB No. 0651-0011 (exp. 4/94) LY MIT-7720pA rd the attached original documents or copy thereof. To the Honorable Commission 100851403 2. Name and address of receiving party(ies) Name of conveying party(ies): Leonard P. Guarente Name: Massachuseffs Institute of man 10-5 David A. Sinclair Technology David B. Lombard Internal Address: Additional name(s) of conveying party(ies) attached?

Yes

No 3. Nature of conveyance: 77 Massachusetts Avenue Street Address:____ □ Merger Assignment □ Change of Name □ Security Agreement City: Cambridge State: MA ZIP: 02139 ☐ Other _____ Execution Date: September 1, 1998 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 application is: B. Patent No.(s) A. Patent Application No.(s) 09/127,670 Additional numbers attached? ☐ Yes 🛱 No 6. Total number of applications and patents involved: 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Patricia Granahan, Esq. 7. Total fee (37 CFR 3.41).....\$_40.00 Internal Address: HAMILTON, BROOK, SMITH & XD Enclosed REYNOLDS, P.C. ☐ Authorized to be charged to deposit account Street Address: Two Militia Drive 8. Deposit account number: City: Lexington State: MA ZIP: 02421 (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached popy is a true copy of the original document. Lisa M. Treannie Name of Person Signing Reg No. 41,368 Total number of pages including cover sheet, attachments, and document:

Docket No	MIT-7720pA	

Joint

ASSIGNMENT

WHEREAS, we, Leonard P. Guarente, David A. Sinclair and David B. Lombard, have invented a certain improvement in ASSAYS FOR COMPOUNDS WHICH EXTEND LIFE SPAN, described in an application for Letters Patent of the United States, the specification of which:

[]	is about to be filed in the United States Patent Office;		
[X]	was filed on <u>July 31, 1998</u> as Application No	09/127,670	_;
[]	was patented under U.S. Patent No.	_on	

WHEREAS, Massachusetts Institute of Technology (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the Commonwealth of Massachusetts, and having a usual place of business at 77 Massachusetts Avenue, Cambridge, Massachusetts 02139, desires to acquire an interest therein in accordance with agreements duly entered into with us;

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, we 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 the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; 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 us had this assignment and sale not been made; we 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. We hereby acknowledge that this assignment, being of the 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, we hereby further agree for ourselves and our 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

PATENT REEL: 9503 FRAME: 0716

giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we 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, we have hereunto set our hands and affixed our seals the date set forth below.

State/Commonwealth

Then personally appeared before me the above-named Leonard P. Guarente, and acknowledged that he executed the foregoing instrument as his free act and deed this

First day of Septenber, 1998

Mule Notary Public

vis V McGhee (print name) (SEAL)

My Commission expires 9/29/2008

PATENT REEL: 9503 FRAME: 0717



Inventor: David A. Sinclair

State/Commonwealth
of Mossachusetts
County of Luffalk

Then personally appeared before me the above-named David A. Sinclair, and acknowledged that he executed the foregoing instrument as his free act and deed this day of <u>September</u>, 1998.

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(SEAL)

ois V. Mc ghee (print name)

△Notary Public

My Commission expires 9/29/2000

FM 9-1-98

Inventor:

David B. Lombard

State/Commonwealth

County of Suffalk

Then personally appeared before me the above-named David B. Lombard and acknowledged that he executed the foregoing instrument as his free act and deed this

JIEST day of

day of Seplench, 1998.

(SEAL)

Notary Public 2015 V. M. Glee (print name)

My Commission expires 9 129 1200

M/MIT/7720pA/Assignia/720 9-1-98

RECORDED: 10/05/1998

PATENT REEL: 9503 FRAME: 0718