

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>United States of America, as represented by the Secretary, Dept of Health and Human Services, The</td> <td>12/04/2012</td> </tr> </tbody> </table>		Name	Execution Date	United States of America, as represented by the Secretary, Dept of Health and Human Services, The	12/04/2012								
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CORRESPONDENCE DATA													
Fax Number:													
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
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CH \$40.00 06693866

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ATTORNEY DOCKET NUMBER:	NIH E-172-1986/1-US-01
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NAME OF SUBMITTER:	Susan S. Rucker
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Signature:	/Susan S. Rucker/
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Date:	06/19/2013
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Total Attachments: 3

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APPENDIX E

TO ADDENDUM TO PATENT COLLABORATION AGREEMENT

ASSIGNMENT

WHEREAS, by virtue of Assignments recorded in the United States Patent and Trademark Office on Reel 6251, Frames 0706-0708, on 09/03/1992, and Reel 4417, Frames 030-031, on 03/28/1985, and Reel 025374, Frame 0567, on 11/18/2010, the United States Department of Health and Human Services as represented by National Institutes of Health, 1 Center Drive, 9000 Rockville Pike, Bethesda, MD 20892, USA (hereinafter referred to as ASSIGNOR), is the owner of all right, title, and interest in United States Patent Application Serial No. 06/693,866, filed January 23, 1985, in the name of Nancy T. Chang, Robert C. Gallo, and Flossie Wong-Staal, and entitled Cloning and Expression of HTLV-III DNA.

WHEREAS, Institut Pasteur 25-28, rue du Docteur Roux, 75015 Paris, France (hereinafter referred to as ASSIGNEE), is desirous of acquiring from ASSIGNOR an undivided joint interest in ASSIGNOR's right, title, and interest in, to and under the aforesaid Patent Application and the invention therein in the United States of America and its territories and possessions.

NOW THEREFORE, in consideration of good and valuable consideration, receipt of which from ASSIGNEE is acknowledged by ASSIGNOR, ASSIGNOR hereby sells, assigns, and transfers to the ASSIGNEE, its lawful successors and assigns, an undivided joint interest in ASSIGNOR's rights to said invention in the United States, its territories and possessions, and an undivided joint interest in ASSIGNOR's right, title, and interest in and to said United States Patent Application Serial No. 06/693,866, filed

January 23, 1985, and in and to any Letters Patent, which may be granted therefor in the United States, its territories and possessions.

FURTHER, be it known that no right, title, or interest in any parent application or continuation application of United States Patent Application Serial No. 06/693,866, including United States Patent Application Serial No. 06/659,339, filed October 10, 1984, United States Patent Application Serial No. 08/080,387, filed June 21, 1993, United States Patent Application Serial No. 08/462,504, filed June 5, 1995, United States Patent Application Serial No. 08/463,028, filed June 5, 1995, now U.S. Patent No. 6,610,476, United States Patent Application Serial No. 08/463,209, filed June 5, 1995, now U.S. Patent No. 6,858,712, United States Patent Application Serial No. 08/463,210, filed June 5, 1995, now U.S. Patent No. 6,001,977, United States Patent Application Serial No. 08/464,316, filed June 5, 1995, now U.S. Patent No. 7,815,916, or United States Patent Application Serial No. 10/634,165, filed August 5, 2003, or any other United States or foreign patent application, the benefit of the earlier filing date of which is claimed under 35 U.S.C. §§ 119 or 120 in United States Patent Application Serial No. 06/693,866, is sold, assigned, or transferred by ASSIGNOR to ASSIGNEE by this Assignment.

FOR AVOIDANCE OF DOUBT this Assignment is not meant to alter the ownership status of United States Patent Application Serial No. 08/462,504, filed June 5, 1995 and United States Patent Application Serial No. 08/080,387, filed June 21, 1993, which The United States of America, as represented by the Secretary, Department of Health and Human Services and Institut Pasteur have previously agreed as part of their patent collaboration agreement to be co-owned.

ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States to issue any and all of said Letters Patent, when granted, jointly to ASSIGNOR and ASSIGNEE, their lawful successors and assigns as the assignees of the entire right, title, and interest in and to the same, for the sole use

and enjoyment of said ASSIGNOR and ASSIGNEE, their lawful successors and assigns.

Furthermore, ASSIGNOR agrees that it will communicate to said ASSIGNEE, or its representatives, any facts known to ASSIGNOR respecting said invention, and, at ASSIGNEE's expense, testify in any legal proceedings, sign all lawful papers, execute all reissue, reexamination and extension applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be jointly issued to ASSIGNOR and ASSIGNEE, their lawful successors and assigns, to obtain and enforce proper protection for said invention in the United States, its territories and possessions.

IN WITNESS WHEREOF, ASSIGNOR has hereunto set its hand this ~~4~~ day of Dec, 2012.

**THE UNITED STATES OF AMERICA, AS
REPRESENTED BY THE SECRETARY,
DEPARTMENT OF HEALTH AND HUMAN
SERVICES**

By: Francis S. Collins (signature)

Francis S. Collins, M.D., Ph.D.

Director, National Institutes of Health

Department of Health and Human Services

WITNESS: Matt L. Wood

TITLE: Staff Assistant