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Patent and Trademark Office

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To the Honorable Director of the United States Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Institut Pasteur
28, rue du Docteur Roux
75724 Paris Cedex 15
France

Additional names(s) of conveying party(ies) Yes No

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

Name: Roche Molecular Systems, Inc

Address: 4300 Hacienda Drive

City: Pleasanton State/Prov.: CA

Country: US ZIP: 94533

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

Execution Date: May 27, 2003

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

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

Patent Application No. Filing date

B. Patent No.(s)

4,551,270

Additional numbers Yes No

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

Name: Robert W. Mann

Registration No. 48,555

Address: Roche Molecular Systems, Inc.

Patent Department

1145 Atlantic Avenue

City: Alameda State/Prov.: CA

Country: US ZIP: 94501

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00

Enclosed - Any excess or insufficiency should be credited or debited to deposit account

Authorized to be charged to deposit account

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50-0812

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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.

Robert W. Mann (48,555)

Name of Person Signing

Robert W. Mann

Signature

May 18, 2005

Date

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Total number of pages including cover sheet, attachments, and

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I hereby certify that this Assignment and attachments are being transmitted to the USPTO via fax 703-306-5995

Robert W. Mann 5/18/05

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us n° 558,188

ASSIGNMENT

WHEREAS, Institut Pasteur (hereinafter referred to as Assignor), duly organized under the laws of FRANCE and having its principal place of business at 28, rue du Docteur Roux, 75724 Paris Cedex 15, France, represents that it is the assignee of the entire right, title and interest in and to U.S. Patent Application Serial No. 558,188, filed April 1, 1983, for DNA FRAGMENTS CODING FOR POLYPEPTIDES CONTAINING AT LEAST ONE ANTIGENIC DETERMINANT OF THE PAPILLOMAVIRUS, PARTICULARLY OF THE HPV 1a TYPE AND CORRESPONDING POLYPEPTIDES in the names of Olivier DANOS, Michael KATINKA and Moshe YANIV; and U.S. Patent No. 4,551,270, issued therefrom;

WHEREAS, the Assignor is desirous of transferring the entire right, title, and interest in and to the above-mentioned application for United States Letters Patent and U.S. Patent issued therefrom, and to all divisions, and continuations thereof, and to all reissues thereof;

WHEREAS, Roche Molecular Systems, Inc. (hereinafter referred to as Assignee), duly organized under the laws of Delaware and having a principal place of business at 4300 Hacienda Drive, Pleasanton, California 94533 is desirous of securing the entire right, title, and interest in and to the above referenced application for United States Letters Patent and U.S. Patent issued therefrom, and to all divisions, and continuations thereof, and to all reissues thereof;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, the Assignor, has sold, assigned, transferred, and set over, and does hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, Assignor's entire right, title, and interest in and to the above referenced application for United States Letters Patent and U.S. Patent issued therefrom, and to all divisions, and continuations thereof, and to all reissues thereof;

AND, Assignor HEREBY further covenants and agrees that it will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to Assignor respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

IN TESTIMONY WHEREOF, the Assignor has caused this Assignment to be executed by its duly authorized representatives.

INSTITUT PASTEUR

By: [Signature]
C. FOUCAUD

Title: V.I.C. Human Development

Date: May 27, 2003

Witness: BONNEFOI Evelyne

Date: May 27, 2003



INSTITUT PASTEUR

25-28, rue du Docteur Roux
75724 Paris Cedex 15