

Form PTO-1595 (Rev. 03-09)
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1. Name of conveying party(ies)

University of Maryland Biotechnology Institute

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

2. Name and address of receiving party(ies)

Name: University of Maryland, Baltimore

Internal Address: _____

Street Address: 620 W. Lexington Street, 4th floor

City: Baltimore

State: Maryland

Country: U.S. Zip: 21201

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

3. Nature of conveyance/Execution Date(s):

Execution Date(s) April 1, 2010

- Assignment Merger
- Security Agreement Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other _____

4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)

09/637,652

B. Patent No.(s)

6,479,466

Additional numbers attached? Yes No

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

Name: Gail Knott

Internal Address: University of Maryland, Baltimore

Office of Research and Development

Street Address: 620 W. Lexington Street, 4th floor

City: Baltimore

State: MD Zip: 21201

Phone Number: 410-706-2380

Fax Number: 41-706-1066

Email Address: gknott001@umaryland.edu

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00

- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

Deposit Account Number 210684

Authorized User Name Gail Knott

9. Signature:


Signature

July 14, 2010

Date

Gail Knott

Name of Person Signing

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

4

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Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

CHI \$40.00 210684 6479466

PATENT ASSIGNMENT

THIS PATENT ASSIGNMENT is made as of the date of the last signature on the signature page ("Effective Date"), by and between **UNIVERSITY OF MARYLAND BIOTECHNOLOGY INSTITUTE**, having a principal place of business at 701 East Pratt Street, Suite 200, Baltimore, MD 21202 ("**Assignor**") and **UNIVERSITY OF MARYLAND, BALTIMORE**, by its Office of Commercial Ventures and Intellectual Property, 620 West Lexington Street, 4th Floor, Baltimore, Maryland 21201 ("**Assignee**"). Assignor and Assignee are each institutions of the University System of Maryland ("**USM**"), a public corporation and an instrumentality of the State of Maryland.

WHEREAS, the assets of Assignor are being transferred to various institutions of the USM; and

WHEREAS, the Institute of Human Virology ("**IHV**") was transferred to Assignee on July 1, 2007; and

WHEREAS, Assignor is the exclusive owner of all right, title, and interest in and to the patent(s) and patent application(s) identified in **Exhibit A** attached hereto; and

WHEREAS, Assignee desires to acquire all right, title, and interest in and to said patents and patent applications; and

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, **Assignor** hereby assigns to **Assignee** all right, title, and interest to all intellectual property identified in **Exhibit A** attached hereto, and in any and all United States and/or international or foreign patent applications thereon, continuing patent applications thereon (including without limitation substitutions, divisionals, continuations, and continuations-in-part), patents or Letters Patent issued therefrom, and reissues, extensions, renewals, and reexaminations of such applications or patents (collectively, the "**Patents and Patent Applications**").

Such entire right, title, and interest in the Patents and Patent Applications are to be held and enjoyed by Assignee to the same extent as they would have been held and enjoyed by Assignor had this Assignment not been made, to the full end of the term or terms for which any such patent(s) issue. Assignor hereby represents and warrants that Assignor has full right to convey its entire right, title, and interest in and to the Patents and Patent Applications herein assigned, and that Assignor has not executed and will not execute any agreement or other document in conflict therewith.

Assignor agrees to use its best efforts for as long as Assignor exists as a separate entity within the USM to effect such assignment, to execute and deliver separate Assignments, patent applications, and other documents necessary or expedient in connection with, and to cooperate with and to assist Assignee in connection with: further perfecting the assignment of the Patents and Patent Applications to Assignee; Assignee's preparation, filing, prosecution (including without limitation defense in interference proceedings, reexaminations, or litigation), enforcement, and/or maintenance of the Patents and Patent Applications; or for Assignee to protect and commercialize the intellectual property right, title, and interests in and to the Patents and Patent Applications (including without limitation copyright and/or trademarks).

Assignor agrees to use its best efforts for as long as Assignor exists as a separate entity within the USM to pay any direct costs incurred by or on behalf of Assignor prior to the Effective Date of this agreement in association with preparing, filing, prosecuting, enforcing, maintaining, or otherwise protecting the patents and patent applications identified in Exhibit A. Assignee shall not be liable for any

such direct costs incurred by or on behalf of Assignor prior to the Effective Date of this agreement. Assignor shall incur no further costs as of the Effective Date of this agreement.

Assignor hereby requests that the Commissioner of Patents transfer registered ownership of said Patents and Patent Applications, and any reissuance or extension thereof, to the Assignee for the sole use and benefit of the Assignee, its successors, legal representatives and assigns.

ASSIGNOR:

ASSIGNEE:

**UNIVERSITY OF MARYLAND
BIOTECHNOLOGY INSTITUTE**

**UNIVERSITY OF MARYLAND
BALTIMORE**

By: Edward Eisenstein

By: James L. Hughes

Name: Edward Eisenstein
Title: Acting President, UMBI

Name: James L. Hughes
Vice President, Office of Research and
Development

Date: 04/01/10

Date: 3/31/10

Witness: Cynthia M. Dieffendbach

Witness: Shari J. Corin

Name: CYNTHIA M. DIEFFENDBACH

Name: Shari J. Corin

EXHIBIT A
INTELLECTUAL PROPERTY ALL PATENT APPLICATIONS REPORT
THROUGH 1/19/2010 - HIV

Patent Doc#& Code	Center	Principal Investigator	Inventor(s)	Patent Title	Patent Firm	Filing Date	Application Status	Patent Application No.	Issue Date	Patent No.
04-028-PNV	HIV	Redfield	Redfield, Dr. Robert R.	USE OF INKARBUIN AND ITS DERIVATIVES IN THE TREATMENT OF HIV INFECTION AND HEART FAILURE	INTELLECTUAL PROPERTY TECHNOLOGY LAM	9/3/2004	Refiled	60/566,992		
04-028-PNV-2	HIV	Redfield	Davis, Dr. Charles E. Jr. Herneda, Dr. Alonso Redfield, Dr. Robert R.	USE OF INKARBUIN AND ITS DERIVATIVES IN THE TREATMENT OF HIV INFECTION AND HEART FAILURE	INTELLECTUAL PROPERTY TECHNOLOGY LAM	9/12/2005	Entry into National Phase	60/716,007		
99-001-PCT	HIV	Redfield	Davis, Dr. Charles E. Jr. Herneda, Dr. Alonso Redfield, Dr. Robert R.	COMPOSITIONS FOR TREATMENT OF HIV INFECTION AND METHODS THEREOF	MOORE & VAN ALLEN	8/11/2000	Entry into National Phase	09/637,652		
99-001-PCT-AU	HIV	Redfield	Davis, Dr. Charles E. Jr. Herneda, Dr. Alonso Redfield, Dr. Robert R.	COMPOSITIONS FOR TREATMENT OF HIV INFECTION AND METHODS THEREOF	MOORE & VAN ALLEN	8/27/2002	Issued	66585/00	1/15/2004	705724
99-001-PCT-CA	HIV	Redfield	Davis, Dr. Charles E. Jr. Herneda, Dr. Alonso Redfield, Dr. Robert R.	COMPOSITIONS FOR TREATMENT OF HIV INFECTION AND METHODS THEREOF	MOORE & VAN ALLEN	2/12/2002	Issued	288924	2/19/2006	235784
99-001-PCT-EP	HIV	Redfield	Davis, Dr. Charles E. Jr. Herneda, Dr. Alonso Redfield, Dr. Robert R.	COMPOSITIONS FOR TREATMENT OF HIV INFECTION AND METHODS THEREOF	MOORE & VAN ALLEN	3/4/2002	Pending	09/54,024		
99-001-PCT-US	HIV	Redfield	Davis, Dr. Charles E. Jr. Herneda, Dr. Alonso Redfield, Dr. Robert R.	COMPOSITIONS FOR TREATMENT OF HIV INFECTION AND METHODS THEREOF	MOORE & VAN ALLEN	8/14/2000	Issued	09/637,052	11/12/2002	6479,465
99-001-PNV	HIV	Redfield	Davis, Dr. Charles E. Jr. Herneda, Dr. Alonso Redfield, Dr. Robert R.	COMPOSITIONS FOR TREATMENT OF HIV INFECTION AND METHODS THEREOF	MOORE & VAN ALLEN	8/13/1999	Converted to Non-PNV	60/149,079		
99-012-US	HIV	Resip	Davis, Dr. Charles E. Jr. Herneda, Dr. Alonso Redfield, Dr. Robert R. Foules, Dennis S. Jr. Foules, Dr. Terrell H. Jay	COMPOSITIONS FOR TREATMENT OF HIV INFECTION AND METHODS THEREOF	Mo Patent Filings			MO App. *		