

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Blue Heron Biotechnology, Inc.	08/09/2010
RECEIVING PARTY DATA	
Name:	Blue Heron Biotech, LLC
Street Address:	9620 Medical Center Drive
Internal Address:	Suite 200
City:	Rockville
State/Country:	MARYLAND
Postal Code:	20850
PROPERTY NUMBERS Total: 4	
Property Type	Number
Patent Number:	6664112
Patent Number:	7164992
Patent Number:	7482119
Application Number:	12336412
CORRESPONDENCE DATA	
Fax Number:	(202)942-5999
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	2029425809
Email:	Sandra.Tartisel@aporter.com
Correspondent Name:	Arnold & Porter LLP
Address Line 1:	555 Twelfth Street, NW
Address Line 2:	Attn: IP Docketing
Address Line 4:	Washington, DISTRICT OF COLUMBIA 20004
ATTORNEY DOCKET NUMBER:	24242.003
NAME OF SUBMITTER:	Kristan L. Lansbery

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Total Attachments: 4

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ASSIGNMENT OF PATENTS AND PATENT APPLICATIONS

WHEREAS, **BLUE HERON BIOTECHNOLOGY, INC.**, a Delaware corporation with offices at 22310 20th Avenue SE #100, Bothell, WA 98021 ("Blue Heron") is the owner of certain inventions which are disclosed in the patents, patent applications and/or provisional patent applications identified on Schedule 1 attached hereto; and

WHEREAS, **BLUE HERON BIOTECH, LLC**, a Delaware limited liability company with offices at 9620 Medical Center Drive, Suite 200 Rockville, MD 20850 ("Purchaser") desires to acquire the entire, exclusive right, title and interest in and to said inventions and any and all patents to be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Blue Heron does hereby assign, sell and transfer unto Purchaser, its successors and assigns, the entire, exclusive right, title and interest in and to said inventions, in any form or embodiment thereof, and in and to said applications; and in and to any and all applications filed in any country based thereon, including the right to file applications in countries other than the country of priority filing under the provisions of any international convention; also in and to any and all improvements on said inventions now or hereafter made by employees, agents or contractors of Purchaser; also the entire, exclusive, right, title and interest in and to any and all patents, including reissues and extensions thereof, to be obtained in any country upon said inventions or improvements; and any and all continuing applications, including divisional, continuation and continuation-in-part applications, substitute applications, and applications claiming benefit of an earlier filed provisional application, which may be filed upon said inventions or improvements in any country; together with the right to sue and recover for, and the right to profits or damages due or accrued arising out of or in connection with, any and all past, present or future infringements of said patent applications (and any patent(s) issuing thereon); and

Blue Heron hereby authorizes and requests each issuing authority to issue any and all patents on said applications to Purchaser, as assignee of the entire interest.

IN WITNESS WHEREOF, BLUE HERON by its duly authorized officer has executed this assignment as an instrument under seal this 9th day of August 2010.

BLUE HERON
BIOTECHNOLOGY, INC.

By: [Signature]

Name: John R. Fess

Title: CEO

State of California)

County of San Mateo)

SS.

On this 9th day of August 2010 before me personally appeared John R. Fess, known to me to be the person who executed the foregoing instrument and acknowledged that he/she executed the same as his/her free act and deed; in testimony whereof I have hereto set my hand and official seal on the day last above written.

(seal)



[Signature]

Notary Public or Consular Officer

My Commission expires 09/18/2013

[SIGNATURE PAGE TO ASSIGNMENT OF PATENTS]

ACKNOWLEDGED, AGREED AND
ACCEPTED THIS 9th DAY OF
AUGUST, 2010

BLUE HERON BIOTECH, LLC

By: [Signature]

Name: Wei-Li He

Title: President

State of VIRGINIA)

County of FAIRFAX)

ss.

On this 9th day of August 2010 before me personally appeared
Wei-Li He, known to me to be the person who executed the foregoing
instrument and acknowledged that he/she executed the same as his/her free act and deed; in
testimony whereof I have hereto set my hand and official seal on the day last above written.

(seal)

MICHAEL DAVIDOV
Notary Public or Consular Officer

My Commission expires 05/30/11

[SIGNATURE PAGE TO ASSIGNMENT OF PATENTS]

Schedule 1

Title	Property Type	Filing/Registration Number	Date of Filing/Issuance
METHODS FOR IMPROVING THE SEQUENCE FIDELITY OF SYNTHETIC DOUBLE-STRANDED OLIGONUCLEOTIDES	Patent	09/872,761 6,664,112	06/01/2001 12/16/2003
METHOD AND SYSTEM FOR POLYNUCLEOTIDE SYNTHESIS	Patent	10/104,986 7,164,992	03/22/2002 01/16/2007
SOLID PHASE METHODS FOR POLYNUCLEOTIDE PRODUCTION	Patent	10/965,018 7,482,119	10/13/2004 01/27/2009
SOLID PHASE METHODS FOR POLYNUCLEOTIDE PRODUCTION	Patent application	12/336,412	12/16/2008
SOLID PHASE METHODS FOR POLYNUCLEOTIDE PRODUCTION	Patent application	2543014	10/13/2004
SOLID PHASE METHODS FOR POLYNUCLEOTIDE PRODUCTION	Patent application	2006-535658	10/13/2004

PATENT

RECORDED: 08/13/2010

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