PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date	
Roche Colorado Corporation	05/13/2011	

RECEIVING PARTY DATA

Name:	Roche Palo Alto LLC			
Street Address:	1 DNA Way			
Internal Address:	Legal Department, MS #49			
City:	South San Francisco			
State/Country:	CALIFORNIA			
Postal Code:	94080-4990			

PROPERTY NUMBERS Total: 1

Property Type	Number
Patent Number:	7365188

CORRESPONDENCE DATA

Fax Number: (650)952-9881

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: (650) 225-8018

Email: buckwalter.brian@gene.com

Correspondent Name: Brian L. Buckwalter

Address Line 1: 1 DNA Way

Address Line 2: Legal Department, MS #49

Address Line 4: South San Francisco, CALIFORNIA 94080-4990

NAME OF SUBMITTER: | Brian L. Buckwalter

Total Attachments: 2

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PATENT REEL: 026368 FRAME: 0830 \$40.00 736

ASSIGNMENT

ROCHE COLORADO CORPORATION (Assignor), a corporation of the State of Delaware, United States of America, having its principal place of business at Boulder, Colorado, United States of America, hereby assigns to

ROCHE PALO ALTO LLC (Assignee) 3431 Hillview Avenue, Palo Alto, California 94304

all of its right, title and interest within the United States of America and its territories and possessions, in and to the invention described and claimed in U.S. Patent No. 7,365,188, issued April 29, 2008, entitled

PROCESS FOR PRODUCING N⁴-ACYL-5'-DEOXY-5-FLUOROCYTIDINE

by Christopher R. Roberts (Berthoud, CO) and Jim-wah Wong (Boulder, CO) (Inventors)

as well as in any subsequent application(s) in the United States of America and its territories and possessions, which subsequent application(s) claim application U. S. Serial No. 60/532,266 as priority. In respect of the invention and all such patent applications, within the United States of America and its territories and possessions, in favor of Assignor was executed on October 26, 2004 and October 28, 2004 by Inventors.

The present assignment is limited to United States of America and its territories and possessions and is for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged.

Assignor expressly assigns to Assignee the right to file corresponding patent applications in United States of America and its territories and possessions, and to claim the priority date under any international treaty or convention of any of the above U.S. patent application(s) assigned by Assignor in this present Assignment. Assignor agrees to execute any additional assignments and writings as well as to perform any additional acts necessary to enable Assignee to enjoy the full rights of the present Assignment.

By:

Boulder, Colorado, U.S.A.

ROCHE COLORADO CORPORATION

Date: $\frac{5/13/11}{1}$

James M. Wilson

Vice President and Chief Legal Counsel

PATENT REEL: 026368 FRAME: 0831

Assignment II cont'd

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United States of America)
State of Colorado) ss.
County of Boulder)

On May 13, 2011 before me, Elizabeth K. Jordan, Notary Public, personally appeared James M. Wilson, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of Colorado that the foregoing paragraph is true and correct.

WITNESS my hand and official seal

ELIZABETH K. JORDAN NOTARY PUBLIC STATE OF COLORADO

MY COMMISSION EXPIRES 3/30/2013

PATENT REEL: 026368 FRAME: 0832

RECORDED: 06/01/2011