

## 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>Young Hee Ko</td> <td>12/02/2002</td> </tr> <tr> <td>Jean-Francois H. Geschwind</td> <td>11/29/2002</td> </tr> <tr> <td>Peter L. Pedersen</td> <td>12/02/2002</td> </tr> </tbody> </table>		Name	Execution Date	Young Hee Ko	12/02/2002	Jean-Francois H. Geschwind	11/29/2002	Peter L. Pedersen	12/02/2002		
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<table border="1"> <tr> <td>Name:</td> <td>John Hopkins University School of Medicine</td> </tr> <tr> <td>Street Address:</td> <td>3400 North Charles Street</td> </tr> <tr> <td>City:</td> <td>Baltimore</td> </tr> <tr> <td>State/Country:</td> <td>MARYLAND</td> </tr> <tr> <td>Postal Code:</td> <td>21218-2681</td> </tr> </table>		Name:	John Hopkins University School of Medicine	Street Address:	3400 North Charles Street	City:	Baltimore	State/Country:	MARYLAND	Postal Code:	21218-2681
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CORRESPONDENCE DATA											
<p>Fax Number: (617)832-7000</p> <p>Phone: 617 832 1000</p> <p>Email: wherron@foleyhoag.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Foley Hoag LLP</p> <p>Address Line 1: 155 Seaport Blvd</p> <p>Address Line 2: Patent Dept.</p> <p>Address Line 4: Boston, MASSACHUSETTS 02210-2600</p>											
ATTORNEY DOCKET NUMBER:	JHV-021.02										
NAME OF SUBMITTER:	Wendy Herron										
<p>Total Attachments: 3</p> <p>source=FHBOSTON-#3797343-v1-JHV-021_01_ASSIGNMENT#page1.tif</p> <p>source=FHBOSTON-#3797343-v1-JHV-021_01_ASSIGNMENT#page2.tif</p> <p>source=FHBOSTON-#3797343-v1-JHV-021_01_ASSIGNMENT#page3.tif</p>											

CH \$40.00 12355115

## ASSIGNMENT

WHEREAS, we, Young He Ko , of Pikesville, MD, Jean-Francois H. Geschwind, of Potomac, MD and Peter L. Pedersen, of Columbia, MD have developed certain inventions described in a patent application entitled **Therapeutics For Cancer Using 3-Bromopyruvate and Other Selective Inhibitors of ATP Production**, filed on **September 13, 2002** and having U.S. Application No. **10/243,550**, having full right to convey our entire right, title and interest, both legal and equitable, in and to said inventions, free from all prior assignments, agreements, licenses, mortgages, security interests, or other encumbrances whatsoever; and

WHEREAS, JOHN HOPKINS UNIVERSITY SCHOOL OF MEDICINE ("Assignee"), of Baltimore, a corporation of the State of Maryland, is desirous of acquiring the entire right, title and interest in and to said invention or inventions and any and all patents to be obtained therefor;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged by the undersigned, the undersigned do hereby sell, assign, transfer and set over unto said Assignee, its successors and assigns, their entire right, title and interest throughout the world in and to said invention or inventions, as described in the aforesaid application, in any form or embodiment thereof, and in and to the aforesaid application; and in and to any application filed in any foreign country based thereon, including the right to file said foreign applications and claim priority under the provisions of any international convention or treaty; also the entire right, title and interest throughout the world in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon said invention or inventions and any divisional, continuation, continuation-in-part or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and the undersigned hereby authorize and request the issuing authority to issue any and all patents on said application or applications to said Assignee or its successors and assigns.

The undersigned further agree, without any further payment or compensation by said Assignee or its successors and assigns, to communicate to said Assignee, its representatives or agents or its successors and assigns, any facts relating to said invention or inventions including evidence for interference purposes or for other legal proceedings whenever requested; testify in any interference or other legal proceedings, whenever requested; execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and generally do everything possible to aid said Assignee, its successors or assigns and nominees to secure, obtain and enforce proper patent protection for said invention or inventions in this or any foreign country.

IN TESTIMONY WHEREOF, the undersigned have hereunto set their hands and seals on the date after their signatures.

Hee  
Young Hee Ko

Young Hee Ko

12-02-02

(Date)

State of )  
County of )

On this 2 day of December, 2002 before me personally appeared Young He Ko to me personally known, and known to me to be the person who signed the foregoing assignment, and acknowledged the signing of same as his free act and deed.

Carlton A. Simmons

Notary Public

My commission expires 11/01/04

Jean-Francois H. Geschwind

JF Geschwind

11/29/02  
(Date)

State of )  
County of )

G On this 2 day of December, 2002 before me personally appeared Jean-Francois H. Geschwind to me personally known, and known to me to be the person who signed the foregoing assignment, and acknowledged the signing of same as his free act and deed.

Carlton A. Simmons

Notary Public

My commission expires 11/01/04

Peter L. Pedersen

Pete L. Pedersen

Dec 2, 2002  
(Date)

State of MARYLAND )  
~~County~~ of Baltimore )  
City

On this 2 day of December, 2002 before me personally appeared Peter L. Pedersen to me personally known, and known to me to be the person who signed the foregoing assignment, and acknowledged the signing of same as his free act and deed.

Carlson Simmons  
Notary Public  
My commission expires 11/01/02