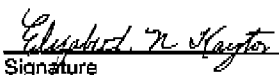


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 Attorney Docket No.: 07039-366001

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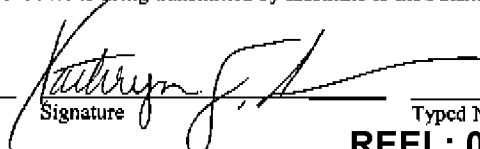
Commissioner for Patents: Please record the attached original document(s) or copy(ies).		
1. Name of conveying party(ies): (1) Zhenhua Xu, (2) Eric D. Wieben and (3) Richard M. Weinshilboun Additional name(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies): Mayo Foundation for Medical Education and Research 200 First Street S.W. Rochester, MN 55905 Additional names/addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: Execution Date: (1) 02/25/03 (2) 01/21/03 (3) 01/21/03	4. Application number(s) or patent number(s): If this document is being filed with a new application, the execution date of the application is: A. Patent Application No(s): 10/294,229 filed 11/14/02 B. Patent No(s): Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Name/address of party to whom correspondence concerning document should be mailed: ELIZABETH N. KAYTOR, PH.D. Fish & Richardson P.C., P.A. 60 South Sixth Street Suite 3300 Minneapolis, MN 55402	6. Total number of applications/patents involved: 1 7. Total fee (37 CFR §3.41): \$40 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to charge Deposit Account. 8. Deposit Account No.: 06-1050 Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.	
DO NOT USE THIS SPACE		
9. Statement and Signature: <i>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.</i>		
Elizabeth N. Kaytor, Ph.D. Reg. No. P-53,103 _____ Name of Person Signing	 _____ Signature	March 7, 2003 _____ Date
Total number of pages including coversheet, attachments and document: 5		

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I hereby certify that this correspondence is being transmitted by facsimile to the Patent and Trademark Office on the date indicated below.

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PATENT

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Attorney Docket No: 07039-366001

ASSIGNMENT

For valuable consideration, we, ZHENHUA XU of 653B East Main Street, Bridgewater, NJ 08807, ERIC D. WIEBEN of 1308 Northern Heights Drive, Rochester, MN 55906, RICHARD M. WEINSHILBOUM of 824 10-1/2 St. S.W., Rochester, MN 55902, hereby assign to: Mayo Foundation for Medical Education and Research, a corporation of Minnesota having a place of business at: 200 First Street S.W., Rochester, MN 55905; and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled 3'-PHOSPHOADENOSINE -5'-PHOSPHOSULFATE SYNTHETASE 1 (PAPSS1) SEQUENCE VARIANTS, filed November 14, 2002, and assigned U.S. Serial Number 10/294,229; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Attorney Docket No: 07039-366001

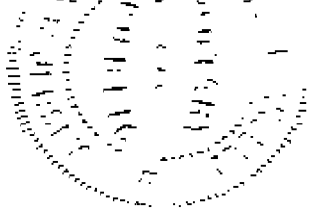
IN WITNESS WHEREOF, I hereto set my hand and seal at Hunterdon,
this 25th day of February, 20 03
[Signature] L.S.
ZHENHUA XU

State of New Jersey :
: ss.
County of Hunterdon :

Before me this 25th day of February, 20 03, personally
appeared ZHENHUA XU known to me to be the person whose name is subscribed to the
foregoing Assignment and acknowledged that he executed the same as his free act and deed for
the purposes therein contained.

[Signature]
Notary Public
My Commission Expires: February 6, 2005

[Notary's Seal Here]



Attorney Docket No: 07039-366001

IN WITNESS WHEREOF, I hereto set my hand and seal at Rochester,

this 21 day of January, 2003

Eric D. Wieben

L.S.

ERIC D. WIEBEN

State of Minnesota :

: ss.

County of Olmsted :

Before me this 21 day of January, 2003, personally appeared ERIC D. WIEBEN known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

Luanne F. Wussow

Notary Public

My Commission Expires:

1/31/07

[Notary's Seal Here]



Attorney Docket No: 07039-366001

IN WITNESS WHEREOF, I hereto set my hand and seal at Rochester,
this 21 day of January, 2003
Richard M. Weinsilboum L.S.
RICHARD M. WEINSHILBOUM

State of Minnesota :
: ss.
County of Olmsted :

Before me this 21 day of January, 2003, personally
appeared RICHARD M. WEINSHILBOUM known to me to be the person whose name is
subscribed to the foregoing Assignment and acknowledged that he executed the same as his free
act and deed for the purposes therein contained.

Luanne F. Wussow
Notary Public

My Commission Expires:
1/31/07

[Notary's Seal Here]

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