

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>K. Raja Reddy</td> <td>12/05/2005</td> </tr> <tr> <td>William Craigo</td> <td>12/05/2005</td> </tr> <tr> <td>Zhili Sun</td> <td>12/05/2005</td> </tr> <tr> <td>Serge H. Boyer</td> <td>12/05/2005</td> </tr> <tr> <td>Bheemarao G. Ugarkar</td> <td>06/24/2005</td> </tr> </tbody> </table>		Name	Execution Date	K. Raja Reddy	12/05/2005	William Craigo	12/05/2005	Zhili Sun	12/05/2005	Serge H. Boyer	12/05/2005	Bheemarao G. Ugarkar	06/24/2005
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Metabasis Therapeutics, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>11085 North Torrey Pines Road</td> </tr> <tr> <td>Internal Address:</td> <td>Suite 300</td> </tr> <tr> <td>City:</td> <td>La Jolla</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>92037</td> </tr> </table>		Name:	Metabasis Therapeutics, Inc.	Street Address:	11085 North Torrey Pines Road	Internal Address:	Suite 300	City:	La Jolla	State/Country:	CALIFORNIA	Postal Code:	92037
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PROPERTY NUMBERS Total: 1													
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CORRESPONDENCE DATA													
<p>Fax Number: (202)942-5999</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 2029425000</p> <p>Email: Sandra.Tartisel@aporter.com</p> <p>Correspondent Name: Arnold & Porter LLP</p> <p>Address Line 1: 555 Twelfth Street, NW</p> <p>Address Line 2: Attn: IP Docketing</p> <p>Address Line 4: Washington, DISTRICT OF COLUMBIA 20004</p>													
ATTORNEY DOCKET NUMBER:	P30880US04/23032.087												

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PATENT
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NAME OF SUBMITTER:

Milan M. Vinnola

Total Attachments: 6

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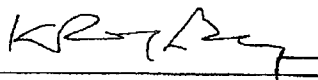
ASSIGNMENT

For valuable consideration, I, K. RAJA REDDY of San Diego, California and a citizen of the U.S.A., WILLIAM CRAIGO of San Diego, California and a citizen of the U.S.A., ZHILI SUN of San Diego, California and a citizen of the U.S.A., SERGE H. BOYER of San Diego, California and a citizen of France, and BHEEMARAO, G. UGARKAR of Hebbal Bangalore, India and citizen of the U.S.A. (hereinafter referred to as "Assignee") hereby assign to **METABASIS THERAPEUTICS, INC.**, a corporation organized and existing under and by the virtue of the laws of the State of Delaware and having a place of business at 9390 Towne Centre Drive, Building 300, San Diego, California, 92121, and its successors and assigns (hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the invention and improvements which are the subject of U.S. Patent Application Serial No. 10/698,924, entitled "NOVEL CYCLIC PHOSPHATE DIESTERS OF 1,3-PROPANE-1-ARYL DIOLS AND THEIR USE IN PREPARING PRODRUGS," and related applications and patents, this assignment including said application, any and all United States and foreign patents granted for any of said inventions or improvements, including all divisions, continuations, reissues, continuations-in-part and extensions thereof, and the right to claim priority based on the filing date of said application and based on the filing date of any provisional application of which said application claims the benefit under the United States Patent Laws, the Paris Convention for the Protection of Industrial Property (Paris Convention), 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 names or in its own name for patents and like rights of exclusion and for inventor's certificates for said inventions and improvements; and we agree for

ourselves and our heirs, legal representatives and assigns, without further compensation, upon request to perform such lawful acts, to promptly provide Assignee with all pertinent facts and documents relating to said invention or application as may be known and accessible to us, to testify in any interference or litigation related to said invention or application and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

The Assignors hereby covenant that no assignment, sale, agreement, or encumbrance has been or will be made or entered into which would conflict with this Agreement.

WITNESS my hand at San Diego, CA, this 5th day of December, 2005.



K. RAJA REDDY

STATE OF CALIFORNIA)
) ss
COUNTY OF _____)

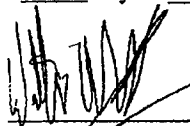
On _____ before me, _____, personally appeared
K. RAJA REDDY

☐ personally known to me - OR - ☐ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Notary Public in and for said County and State

WITNESS my hand at San Diego, CA, this 5th day of December, 2005.



WILLIAM CRAIGO

STATE OF CALIFORNIA)
) ss
COUNTY OF _____)

On _____ before me, _____, personally appeared


WILLIAM CRAIGO

☐ personally known to me - OR - ☐ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Notary Public in and for said County and State

WITNESS my hand at San Diego, CA, this 5th day of December, 2005.



ZHILI SUN

STATE OF CALIFORNIA)
) ss
COUNTY OF _____)

On _____ before me, _____, personally appeared

ZHILI SUN

☐ personally known to me - OR - ☐ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Notary Public in and for said County and State

WITNESS my hand at San Diego, CA, this 5th day of December, 2005.



SERGE H. BOYER

STATE OF CALIFORNIA)
) ss
COUNTY OF _____)

On _____ before me, _____, personally appeared

SERGE H. BOYER

☐ personally known to me - **OR** - ☐ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Notary Public in and for said County and State

WITNESS my hand at San Diego, CA, this 24th day of June, 2005.

Bheemarao G. Ugarkar
BHEEMARAO G. UGARKAR

STATE OF CALIFORNIA)
) ss
COUNTY OF _____)

On _____ before me, _____, personally appeared
BHEEMARAO G. UGARKAR

☐ personally known to me - OR - ☒ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Notary Public in and for said County and State