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To the Honorable Commissioner of

102689169

original documents or copy thereof.

1. Name of conveying party(ies):
REDDY, K. Raja
ERION, Mark D.
MATELICH, Michael C.
KOPCHO, Joseph J.
Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)
Name: Metabasis Therapeutics, Inc.
Internal Address: _____
Street Address: 9390 Towne Centre Drive
Building 300
City: San Diego State: CA Zip: 92121
Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____
Execution Date: 05/07/03

4. Application number(s) or patent number(s):
If this document is being filed together with a new application, the execution date of the application is: _____
A. Patent Application No.(s) 10/436,922
B. Patent No.(s) _____
Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: Diana L. Bush, Ph.D., Esq.
Internal Address: _____
Paul, Hastings, Janofsky & Walker LLP
Street Address: 3579 Valley Centre Drive
City: San Diego State: CA Zip: 92130

6. Total number of applications and patents involved: 1
7. Total fee (37 CFR 3.41).....\$ 40.00
 Enclosed
 Authorized to be charged to deposit account
8. Deposit account number:
50-2613

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9. Signature.
Diana L. Bush, Esq., Ph.D., Reg. No. 51,109
Name of Person Signing
Signature
February 6, 2004
Date

Total number of pages including cover sheet, attachments, and documents: 6

Mail documents to be recorded with required cover sheet information to:
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PATENT
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ASSIGNMENT

For valuable consideration, we, **K. Raja Reddy** of San Diego, CA, and a citizen of the United States of America; **Mark D. Erion** of Del Mar, CA, and a citizen of the United States of America; **Michael C. Matelich** of San Diego, CA and a citizen of the United States of America; and **Joseph J. Kopcho** of San Diego, CA and a citizen of the United States of America hereinafter referred to as "Assignors") hereby assign to **METABASIS THERAPEUTICS, INC.**, a corporation organized and existing under and by the virtue of the laws of the State of Delaware, having a place of business located at 9390 Towne Centre Drive, Bldg. 300, San Diego, CA 92121, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the invention and improvements which are the subject of an application for United States Provisional Application, U.S. Serial No. 60/380,545, filed May 13, 2002, entitled "**NOVEL PHOSPHONIC ACID BASED PRODRUGS OF PMEA AND ITS ANALOGUES**," 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 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 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,

