

04-20-2001



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U.S. Department of Commerce Patent and Trademark Office PATENT 030727.0013.CIP1

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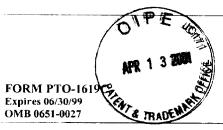
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Corresponde	nt Name and Address	Area Code and Telephone Number	(858) 720-2500
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Name (line 2)					Execution Date  Month Day Year
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**PATENT** 

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## ASSIGNMENT

For valuable consideration, we, MARK D. ERION of Del Mar, California and a citizen of the United States of America; K. RAJA REDDY of San Diego, California and a citizen of the United States of America; and SERGE H. BOYER of San Diego, California and a citizen of France (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 and having a place of business at 9390 Towne Centre Drive, San Diego, California 92121, USA, 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 Patent filed March 3, 2000, U.S. Serial No. 09/518,501 entitled NOVEL PHOSPHORUS-CONTAINING 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 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, 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.

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PATENT REEL: 011689 FRAME: 0850

WITNESS my hand at	San Diego, CA	
his 28 day of March		, 2001
	lou de L MARK D. ERIC	DN .
STATE OF California San Diego COUNTY OF	) ss _ )	
March 28, 2001 Onbef	Elisa Lynne Weston, Nore me,	otary Public , personally appeared
personally known to moe the person(s) whose name(s) is	e - OR - proved to me on the by a subscribed to the within instrue in his hyr/their authorized capacit person(2), or the entity upon behal	ment and acknowledged to me ty (1) (s), and that by (1) (1) (1) (1)
WITNESS my hand and o	fficial seal.	
ELISA LYNNE WES Commission # 124 Notary Public - Call San Diego Cour	Notary Public in ar	and for said County and State

Page 2 of 4

WITNESS my hand atSan_	Diego, CA
28 March this day of	
	K. RAJA REDDY
STATE OF California	)
STATE OF California  COUNTY OF San Diego	) ss )
Onbefore K. RA	Elisa Lynne Weston, Notary Public e me,, personally appeared JA REDDY
be the person(x) whose name(x)(s)a); that (c)sin(th)xy executed the same in	OR - proved to me on the basis of satisfactory evidence to subscribed to the within instrument and acknowledged to me in his/her/their authorized capacity()es), and that by his/her/their erson(x), or the entity upon behalf of which the person(x) acted,
WITNESS my hand and office	cial seal.
ELISA LYNNE WESTON Commission # 1244152 Notary Public - California San Diego County My Comm. Expires Dec 25, 2003	Notary Public in and for said County and State

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WIT	NESS my hand at_	San Diego, CA	
this <u>28</u> da	ay ofMarch		, 2001
		SERGE	H. BOYER
STATE OF	California	)	
COUNTY O	California San Diego F	) ss	
On		Elisa Lynne Wes	ston, Notary Public , personally appeared
	S	ERGE H. BOYER	
be the person	n(x) whose name(x) new executed the same on the instrument the	That subscribed to the withing me in his/he/t/he/ir authorized	on the basis of satisfactory evidence to n instrument and acknowledged to me capacity(iss), and that by his/his/their n behalf of which the person(s) acted,
WITI	NESS my hand and	official seal.	
	ELISA LYNNE WESTO Commission # 124415 Notary Public - Califor	Notary Pu	blic in and for said County and State

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