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Substitute Form PTO-1595  
Attorney Docket No.: 07678-025001



1 SHEET

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Assistant Commissioner for Patents: Please record the attached original document(s) or copy(ies).	
1. Name of conveying party(ies): Joseph P. Noel (December 17, 1999) Courtney M. Starks (December 15, 1999) Additional name(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies): The Salk Institute for Biological Studies 10010 N. Torrey Pines Street San Diego, California 92138  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: December 17, 1999 and December 15, 1999	
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).: 09/398,395 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: RONALD C. LUNDQUIST, 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 checked="" type="checkbox"/> Enclosed <input 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.
04/03/2000 JSHWBAZZ 00000135 09398395 01 FC:581 DO NOT USE THIS SPACE 40.00 OP	
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>  Ronald C. Lundquist, Ph.D. Reg. No. 37,875 Name of Person Signing  Ronald C. Lundquist Signature  Feb 22, 2000 Date	
Total number of pages including coversheet, attachments and document: 4	

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CERTIFICATE OF MAILING BY EXPRESS MAIL

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I hereby certify under 37 CFR §1.10 that this correspondence is being deposited with the United States Postal Service as Express Mail Post Office to Addressee with sufficient postage on the date indicated below and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

2-22-2000  
Date of Deposit

Julie Erickson  
Signature

Julie Erickson  
Typed Name of Person Signing Certificate

PATENT  
REEL: 010647 FRAME: 0051

ASSIGNMENT

For valuable consideration, we, Joseph P. Noel of San Diego, California, and Courtney M. Starks of, La Jolla, California hereby assign to The Salk Institute for Biological Studies, a California corporation, having a place of business at: 10010 N. Torrey Pines Street, San Diego, CA 92138, 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 this day, entitled, SYNTHASES filed September 17, 1999, and assigned U.S. Serial Number 09/398,395, 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.

IN WITNESS WHEREOF, I hereto set my hand and seal at SAN DIEGO, CA,  
this 17th day of DECEMBER of, 1999  
Joseph P Noel L.

State of CALIFORNIA :  
 : SS.  
County of SAN DIEGO :

Before me this 17th day of DECEMBER, 1999, personally  
appeared 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.



Vickie L Cowan  
Notary Public  
My Commission Expires:

[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at 9:30 am.,  
this 15 day December of, 19 99  
Courtney M. Starks L.  
Courtney M. Starks

State of California :  
: SS.  
County of San Diego :

Before me this 16<sup>th</sup> day of DECEMBER, 1999, personally  
appeared known to me to be the person whose name is subscribed to the foregoing Assignment  
and acknowledged that he executed the same as <sup>his</sup> free act and deed for the purposes therein  
contained.



Vickie L. Cowan  
Notary Public

My Commission Expires:

[Notary's Seal Here]

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