SSIGNMENT RECO	2-30-2002	L	Patents	Only		
To the Honorable Commiss	102324162			Date:	Q - 18-02 y Docket No. 5470.298	
1. Name of conveying party(ies):			2. Name and address of receiving party(ies):			
Paul E. Monahan Richard Jude Samulski Joseph E. Rabinowitz	1-26-22	308 By Campu	niversity of N num Hall is Box 4105 I Hill, North		a at Chapel Hill	
Additional name(s) of conveying party(ies) attach 3. Nature of conveyance: X Assignment Merger Security Agreement Change of Name Other Execution Date: December 2, 2002	ed [;] ? <u>Yes_X</u> No				Fillianian Scotton	
		Addition	nal name(s) & ac	ddress(es) attached	I?Yes <u>X_</u> No	
 4. Application Serial No. <u>10/276,501</u> If this document is being filed together is: Additional numbers attached?Y 5. Name and address of party to whom concerning document should be mailed 	es X No				nd patents involved <u>6</u>	
Karen A. Magri Myers Bigel Sibley & Sajovec P. O. Box 37428 Raleigh NC 27627 30/2002_DBYRNE 00000021 10276501		7. Total fee (37 CFR 3.41) \$40.00 x Enclosed Authorized to be charged to deposit account				
		8. Deposit account number: 50-0220				
DO NOT USE THIS 9. Statement and signature To the best of my knowledge and bell of the original document. Karen A. Magri	SPACE ief, the foregoing information	on is true	,	,	ged copy is a true copy	

ASSIGNMENT

THIS ASSIGNMENT, made by us, **Paul E. Monahan**, a citizen of the United States of America, residing at 23 East Drive, Chapel Hill, North Carolina 27516, **Richard Jude Samulski**, a citizen of the United States of America, residing at 102 Darlin Circle, city of Chapel Hill, County of Orange, State of North Carolina 27514, and **Joseph E. Rabinowitz**, a citizen of the United States of America, residing at 401 NC Highway 54 Bypass, Carrboro, North Carolina 27510, respectively;

WITNESSETH: That,

WHEREAS, we are the joint inventors of certain new and useful improvements in *Methods and Compounds for Controlled Release of Recombinant Parvovirus Vectors* for which an application for United States Letters Patent has been filed in the United States Patent and Trademark Office. We hereby authorize and request Myers Bigel Sibley & Sajovec, P.A., to insert here in parentheses (Application No.10/276,501, filed November 15, 2002) the filing date and application number of said application when known; and

WHEREAS, The University of North Carolina at Chapel Hill, an educational institution having a principal place of business at 308 Bynum Hall, Campus Box 4105, City of Chapel Hill, County of Orange, State of North Carolina, hereinafter referred to as assignee, is desirous of acquiring the entire right, title and interest in and to said invention as described in said application, and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries;

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold and by these presents do hereby sell, assign, transfer and convey unto the said assignee, its successors and assigns, the entire right, title and interest in and to the said invention and application, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted, together with the right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

PATENT REEL: 013602 FRAME: 0686 We hereby request that said Letters Patent be issued in accordance with this assignment.

We further covenant and agree that, at the time of the execution and delivery of these presents, we possess full title to the invention and application above-mentioned, and that we have the unencumbered right and authority to make this assignment.

We further covenant and agree to bind our heirs, legal representatives and assigns, promptly to communicate to said assignee or its representatives any facts known to us relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the assignee, its representatives, successors or assigns to secure patent or similar protection for the said invention in all countries and to vest in the assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said assignee, its successors, assigns and other legal representatives.

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this and day of December, 200?

Paul E. Monahan (SEAL)

STATE OF NORTH CAROLINA) ss: COUNTY OF ORANGE)

Before me personally appeared, **Paul E. Monahan** to me known to be the person described in and who executed the foregoing instrument, and he acknowledged to me that he executed the same for the purposes therein stated, this $2^{\frac{1}{2}}$ day of $\frac{1}{2}$ to $\frac{1}{2}$.

SEAL

My Commission Expires: H-1-2004

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> PATENT REEL: 013602 FRAME: 0687

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 2 ^{mil} day of 10 central, 2002.
Richard Jude Samulski
STATE OF NORTH CAROLINA)) ss:
COUNTY OF ORANGE)
Before me personally appeared Richard Jude Samulski, to me known to be the
person described in and who executed the foregoing instrument, and he acknowledged to me
that he executed the same for the purposes therein stated, this 2 day of
December 2007 Serre O Olemon Notary Public
SEAL

My Commission Expires: H - 1- 2006

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this $2^{\mu\nu}$ day of 0
Joseph E. Rabinowitz (SEAL)
STATE OF NORTH CAROLINA)
COUNTY OF ORANGE) ss:
Before me personally appeared Joseph E. Rabinowitz, to me known to be the person
described in and who executed the foregoing instrument, and he acknowledged to me that he
executed the same for the purposes therein stated, this day of December,
200?
Notary Public Oleman
SEAL
My Commission Evaluation Hard - 1 - 2/2/2/

My Commission Expires: H-1-2004

RECORDED: 12/26/2002

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> PATENT REEL: 013602 FRAME: 0689