# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
MATTHEW LOUIS HIRSCH	04/02/2014
RICHARD JUDE SAMULSKI	04/02/2014

## **RECEIVING PARTY DATA**

Name:	The University of North Carolina at Chapel Hill	
Street Address:	308 Bynum Hall	
Internal Address:	Campus Box 4105	
City:	Chapel Hill	
State/Country:	NORTH CAROLINA	
Postal Code:	27599-4105	

## **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	14211927

## CORRESPONDENCE DATA

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US Mail.

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Address Line 4: RALEIGH, NORTH CAROLINA 27612

ATTORNEY DOCKET NUMBER:	5470.663TS	
NAME OF SUBMITTER:	MARTHENN SALAZAR	
SIGNATURE:	/ms/	
DATE SIGNED:	05/13/2014	

## **Total Attachments: 4**

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PATENT

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#### ASSIGNMENT

THIS ASSIGNMENT, made by us, Matthew Louis Hirsch, a citizen of the United States of America, residing at 208 Celeste Circle, Chapel Hill, North Carolina 27517; and Richard Jude Samulski a citizen of the United States of America, residing at 102 Darlin Circle, Chapel Hill, North Carolina 27514;

WITNESSETH: That,

WHEREAS, we are joint inventors of certain new and useful improvements in SYNTHETIC ADENO-ASSOCIATED VIRUS INVERTED TERMINAL REPEATS for which U.S. Application No. 14/211,927 was filed on March 14, 2014 in the United States Patent and Trademark Office; and

WHEREAS, The University of North Carolina at Chapel Hill, a constituent institution of The University of North Carolina and an educational institution chartered under the laws of the State of North Carolina having a principal place of business at 308 Bynum Hall, Campus Box 4105, Chapel Hill, 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 said assignee, its successors and assigns, the entire right, title, and interest in and to the said invention and application(s), 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 or other forms of protection thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted along with any term extensions thereon or therefor, 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.

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 applications above-mentioned, and that we have the unencombered right and authority to make this assignment.

We further covenant and agree to promptly 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; and we hereby instruct, and further covenant and agree to bind our heirs, legal representatives, and assigns, to do same, without further compensation, but at the expense of said assignee or its representatives.

IN WITNESS WHEREOF, I have hereunto set my hand and seal on	uns day or
April , 2014.  Matthew Louis Hirsch  (SEAL)	
COUNTY OF <u>Orease</u>	Samuel Comment
Before me personally appeared the person described in and who exec	uted the foregoing
instrument, and he acknowledged to me that he executed the same for the pu	rposes therein
stated, this day of _April, 2014.  —	<del>ndamidado (n</del> el 1800)
SBAL	
My Commission Expires: <u>/0/4/2016</u>	

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this day of
April 2014. Reserve (SEAL)
Richard Jude Samulski
STATE OF North Covoling
COUNTY OF Drange
Before me personally appeared 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 April 2014.  Notary Public
SEAL
My Commission Expires: 10/4/2016
IVIY COMMISSION EXPINES: /V/T (of()/V)

WHEREBY The University of North Carolina at Chapel Hill acknowledges and accepts the assignment;

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 4th day of April , 2014. The undersigned warrants and represents that he/she has the authority to sign this Assignment on behalf of the Assignee, The University of North Carolina at Chapel Hill.

By: (SEAL)

Title: Jacqueline Quay , Interim Director

STATE OF NORTH CAROLINA )

COUNTY OF ORANGE

Before me personally appeared the person described in and who executed the foregoing instrument, and he/she acknowledged to me that he/she executed the same for the purposes than invented this African April 2014.

Notary Public

Notary Public