

# PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Mark Nichols	09/02/2004
Richard Steinman	09/02/2004
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	University of Pittsburgh of the Commonwealth System of Higher Education
<b>Street Address:</b>	200 Gardner Steel Conference Center
<b>City:</b>	Pittsburgh
<b>State/Country:</b>	PENNSYLVANIA
<b>Postal Code:</b>	15260
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	10842353
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(312)616-5700
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
<b>Phone:</b>	312-616-5600
<b>Email:</b>	assignments@leydig.com
<b>Correspondent Name:</b>	Leydig, Voit & Mayer, Ltd.
<b>Address Line 1:</b>	180 N. Stetson Avenue
<b>Address Line 2:</b>	Suite 4900
<b>Address Line 4:</b>	Chicago, ILLINOIS 60601-6780
<b>NAME OF SUBMITTER:</b>	M. Daniel Hefner
<b>Total Attachments: 2</b> source=228066 - Assignment#page1.tif source=228066 - Assignment#page2.tif	

CH 10842353 \$40.00

Leydig, Voit & Mayer, Ltd.  
Two Prudential Plaza, Suite 4900  
180 North Stetson Avenue Chicago, Illinois

60601-6780

**ASSIGNMENT**

**WHEREAS, WE**, Mark Nichols and Richard Steinman, of 133 Penham Lane, Pittsburgh, PA 15208 and 7150 Reynolds Street, Pittsburgh, PA 15208, respectively, have invented and own a certain invention entitled:

**SMALL INTERFERING RNA LIBRARIES AND METHODS OF  
SYNTHESIS AND USE**

for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on May 9, 2004, under U.S. Application No. 10/842,353, and

**WHEREAS**, University of Pittsburgh of the Commonwealth System of Higher Education, of 200 Gardner Steel Conference Center, Pittsburgh, PA 15260 (hereinafter referred to as Assignee), is desirous of acquiring the entire domestic and foreign right, title, and interest in and under the invention described in the patent application.

**NOW, THEREFORE**, for good and valuable considerations, the receipt and sufficiency of which are hereby acknowledged, we assign and transfer to the Assignee and the Assignee's legal representatives, successors and assigns the full and exclusive rights in and to the invention in the U.S. and every foreign country and the entire right, title, and interest in and to the patent application and other such applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, National phase applications, including petty patent applications, and utility model applications) that may be filed in the United States and every foreign country on the invention, and the patents, extensions, or derivations thereof, both foreign and domestic, that may issue thereon, and we do hereby authorize and request the Commissioner of Patents to issue U.S. patents to the above-mentioned Assignee agreeably with the terms of this assignment document.

**WE HEREBY AUTHORIZE** the Assignee to insert in this assignment document the filing date and application number of the application if the date and number are unavailable at the time this document is executed.

**UPON SAID CONSIDERATION**, we convey to the Assignee the right to make application in its own behalf for protection of the invention in the U.S. and countries foreign to the U.S. and to claim under the Patent Cooperation Treaty, the International Convention and/or other international arrangement for any such application the date of the U.S. application (or any other application on the invention) to gain priority with respect to other applications.

**WE DO HEREBY COVENANT** and agree with the Assignee that we will not execute any writing or do any act whatsoever conflicting with the terms of this assignment document set forth herein, and that we will at any time upon request, without further or additional consideration, but at the expense of the Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of the U.S. or of any and all foreign countries on the invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being

In re Appln. of Nichols et al.  
Attorney Docket No. 228066

understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of all parties hereto.

IN WITNESS WHEREOF, we have hereunder set our hands on the dates shown below.

Date 9-2-04 Mark Nichols  
Mark Nichols

STATE OF Pennsylvania )  
COUNTY OF Allegheny ) SS:

On this 2nd day of September, 2004, before me, a Notary Public in and for said county, appeared Mark Nichols, who is personally known to me to be the same person whose name is subscribed to the foregoing assignment document, and acknowledged that he/she signed and delivered the document as his/her free and voluntary act for the uses and purposes therein set forth.

{SEAL}

Notarial Seal  
Dawn C. Robertson, Notary Public  
Dormont Boro, Allegheny County  
My Commission Expires Nov. 12, 2006

My Commission Expires: Nov 12, 2006

Date 9/2/04 Richard Steinman  
Richard Steinman

STATE OF Pennsylvania )  
COUNTY OF Allegheny ) SS:

On this 2nd day of September, 2004, before me, a Notary Public in and for said county, appeared Richard Steinman, who is personally known to me to be the same person whose name is subscribed to the foregoing assignment document, and acknowledged that he/she signed and delivered the document as his/her free and voluntary act for the uses and purposes therein set forth.

{SEAL}

Notary Public

My Commission Expires: Nov 12, 2006

Notarial Seal  
Dawn C. Robertson, Notary Public  
Dormont Boro, Allegheny County  
My Commission Expires Nov. 12, 2006