

**PATENT ASSIGNMENT**

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Jack D. Keene	04/07/2010
Patrick J. Lager	06/16/2010
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Duke University
<b>Street Address:</b>	Erwin Road
<b>City:</b>	Durham
<b>State/Country:</b>	NORTH CAROLINA
<b>Postal Code:</b>	27705
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	12438383
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	5405-401
<b>NAME OF SUBMITTER:</b>	Sarah Abraham
<b>Total Attachments: 3</b> source=5405-401_Asg_12438383#page1.tif source=5405-401_Asg_12438383#page2.tif source=5405-401_Asg_12438383#page3.tif	

CH \$40.00 12438383

## ASSIGNMENT

THIS ASSIGNMENT, made by us, **Jack D. Keene**, a citizen of the United States of America, residing at 6300 Garrett Drive, Durham, NC 27707; and **Patrick J. Lager**, a citizen of the United States of America, residing at 1719 Wendy Lane, Efland, NC 27243;

WITNESSETH: That,

WHEREAS, we are the joint inventors of certain new and useful improvements in **Methods for *In Vivo* Identification of Endogenous mRNA Targets of MicroRNAs**, for which U.S. Provisional Application No. 60/823,581 was filed on August 25, 2006 in the United States Patent and Trademark Office; International PCT Application PCT/US2007/018793 was filed on August 24, 2007; and for which U.S. Application No. 12/438,383 was filed in the United States Patent and Trademark Office; and

WHEREAS, **Duke University**, an educational institution having a principal place of business at Erwin Road, City of Durham, County of Durham, State of North Carolina 27705, hereinafter referred to as assignee, is desirous of acquiring the entire right, title and interest in and to said invention as described in said provisional 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 provisional application, and in and to any and all subsequent patent applications which claim the benefit of priority from said provisional application including regular utility, continuations, and 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 for the invention in or on applications claiming the benefit of priority from said provisional application, for the full end of the term for which said Letters Patent may be granted along with any term extensions thereof or therefor, together with the right to claim the benefit of priority from 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 further covenant and agree that, at the time of the execution and delivery of these presents, we possess full title to the invention and provisional application above-mentioned, and that we have the unencumbered 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.

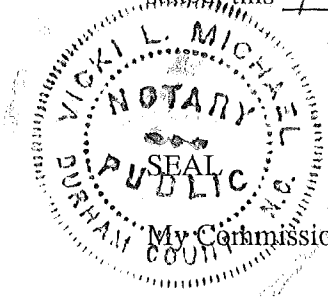
IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 7<sup>th</sup> day of April, 2010.  
Jack D. Keene (SEAL)  
JACK D. KEENE



STATE OF NORTH CAROLINA )  
COUNTY OF Durham ) ss:

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 7<sup>th</sup> day of April, 2010.

Vicki L. Michael  
Notary Public



My Commission Expires: May 15, 2012

