

## PATENT ASSIGNMENT COVER SHEET

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| <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 R. KELLEY  | 03/23/2016   |
| MELISSA L FISHEL  | 04/12/2016   |
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| <b>PROPERTY NUMBERS Total: 1</b>  |  |
| <b>Property Type</b>  | <b>Number</b>  |
| <b>Application Number:</b>  | 15575519   |
| <b>CORRESPONDENCE DATA</b>  |  |
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| <b>ATTORNEY DOCKET NUMBER:</b>  | 2015-184-19 (3003527-0314)                             |
| <b>NAME OF SUBMITTER:</b>   | JEANNIE M. BOETTLER                                    |
| <b>SIGNATURE:</b>   | /Jeannie M. Boettler/                                  |
| <b>DATE SIGNED:</b>   | 01/10/2018   |
| <b>Total Attachments: 3</b>   |  |
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| source=Executed_Assignment#page2.tif  |  |
| source=Executed_Assignment#page3.tif  |  |

**ASSIGNMENT**

Whereas, We, **Mark R. Kelley and Melissa Fishel**, (ASSIGNORS), have an interest in an invention entitled: **METHODS OF TARGETING APE1/REF-1 TO INHIBIT HYPOXIA SIGNALING GENES**, which is the subject of a United States patent application that names the undersigned as inventors in:

US Provisional Patent Application No. 62/307,000; filed March 11, 2016.

**Indiana University Research and Technology Corporation**, an Indiana corporation having its principal office at 351 West 10<sup>th</sup> Street, Indianapolis, IN 46202 (ASSIGNEE), desires to acquire ASSIGNORS' interest in the invention.

ASSIGNORS acknowledge receipt and adequacy of good and valuable consideration in exchange for this assignment and hereby assign to ASSIGNEE, its successors, assigns and legal representatives the full and exclusive right, title and interest in the patent applications and/or patents listed above, in the United States and all foreign countries, including the right to all divisions, reissues, continuations and extensions thereof, as well as to claim priority under the laws of the United States, the Paris Convention, the Patent Cooperation Treaty and any foreign countries, for the full term of the patent, the same as if held by ASSIGNORS had this assignment not been made. This assignment includes the assignment of the right to recover for past infringements of, or liabilities for, any of the rights related to the applications or patents resulting from the invention.

ASSIGNORS covenant and agree to cooperate with ASSIGNEE and execute all instruments or documents requested for the making and prosecuting of any applications of any type for patent in the United States and in all foreign countries including, but not limited to the following: provisional, continuation, continuation-in-part, divisional, renewal or substitute, reissue, re-examination or extension. ASSIGNORS covenant and agree to cooperate with ASSIGNEE in any interference, post-grant opposition or litigation regarding the invention, patents or applications regarding the invention, including testifying for the benefit of ASSIGNEE without further or other compensation than that provided in this Assignment.

ASSIGNORS covenant that no assignment, sale or agreement or encumbrance has been or will be entered into that would conflict with this Assignment.

ASSIGNORS request the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States of America to ASSIGNEE, and request that any official of a patent office in any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications, issue said Letters Patent, Utility Model Registration or Inventor's Certificate to ASSIGNEE.

ASSIGNORS grant the ASSIGNEE and/or attorney of record a power to insert on this Assignment any further identification that may be necessary or desirable to comply with the rules of the United States Patent and Trademark Office for recordation of this Assignment.

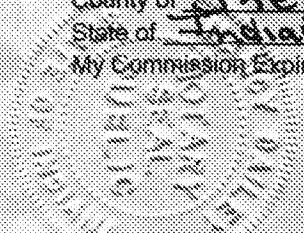
IN WITNESS WHEREOF, ASSIGNOR executed this Assignment at  
Indianapolis IN this 23 day of March, 2016.  
(City, State or Country if outside US)

Mark R. Kelley  
Mark R. Kelley  
INVENTOR/ASSIGNOR

ACKNOWLEDGEMENT

On this 23 day of March, 2016, before me personally appeared the foregoing individual, who executed the foregoing instrument and who acknowledged to me that they executed the same of their own free will for the purpose therein set forth.

Notary Public Nancy Dailey  
Printed Name Nancy Dailey  
County of Shelby  
State of Indiana  
My Commission Expires 9/7/2016



IN WITNESS WHEREOF, ASSIGNOR executed this Assignment at  
Indianapolis IN this 23 day of March, 2016.  
(City, State or Country if outside US)

Melissa Fishel  
Melissa Fishel  
INVENTOR/ASSIGNOR

ACKNOWLEDGEMENT

On this \_\_\_\_\_ day of \_\_\_\_\_, 2016, before me personally appeared the foregoing individual, who executed the foregoing instrument and who acknowledged to me that they executed the same of their own free will for the purpose therein set forth.

Notary Public \_\_\_\_\_  
Printed Name \_\_\_\_\_  
County of \_\_\_\_\_  
State of \_\_\_\_\_  
My Commission Expires \_\_\_\_\_

IN WITNESS WHEREOF, ASSIGNOR executed this Assignment at \_\_\_\_\_ this \_\_\_\_ day of \_\_\_\_\_, 2016.  
(City, State or Country if outside US)

\_\_\_\_\_  
**Mark R. Kelley**  
INVENTOR/ASSIGNOR

ACKNOWLEDGEMENT

On this \_\_\_\_\_ day of \_\_\_\_\_, 2016, before me personally appeared the foregoing individual, who executed the foregoing instrument and who acknowledged to me that they executed the same of their own free will for the purpose therein set forth.

Notary Public \_\_\_\_\_  
Printed Name \_\_\_\_\_  
County of \_\_\_\_\_  
State of \_\_\_\_\_  
My Commission Expires \_\_\_\_\_

IN WITNESS WHEREOF, ASSIGNOR executed this Assignment at Indianapolis IN this 12 day of April, 2016.  
(City, State or Country if outside US)

Melissa Fishel  
**Melissa Fishel**  
INVENTOR/ASSIGNOR

ACKNOWLEDGEMENT

On this 12 day of April, 2016, before me personally appeared the foregoing individual, who executed the foregoing instrument and who acknowledged to me that they executed the same of their own free will for the purpose therein set forth.

Notary Public Caroline Lehman  
Printed Name \_\_\_\_\_  
County of \_\_\_\_\_  
State of \_\_\_\_\_  
My Commission Expires \_\_\_\_\_

