

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
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EPAS ID: PAT6069473

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MONICA DIASFIGUEIREDO	01/31/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MERIAL, INC.
<b>Street Address:</b>	3239 SATELLITE BLVD.
<b>City:</b>	DULUTH
<b>State/Country:</b>	GEORGIA
<b>Postal Code:</b>	30096
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16524645
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(678)638-3350
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Email:</b>	assignment.ip@merial.com
<b>Correspondent Name:</b>	DR. JUDY JARECKI-BLACK, ESQ.
<b>Address Line 1:</b>	3239 SATELLITE BLVD.
<b>Address Line 4:</b>	DULUTH, GEORGIA 30096
<b>ATTORNEY DOCKET NUMBER:</b>	MER 16-291
<b>NAME OF SUBMITTER:</b>	JOAN DSOUZA
<b>SIGNATURE:</b>	/JOAN DSOUZA/
<b>DATE SIGNED:</b>	04/20/2020
<b>Total Attachments: 3</b>	
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ASSIGNMENT

I:

**Monica DiasFigueiredo**  
235 Bedford Drive  
Athens, GA 30606

being the inventor of certain improvements in the international application entitled: "**Recombinant AAV Vectors Expressing Osteoprotective genes, including HAS2 and Lubricin, useful in the Treatment of Osteoarthritis and Related Joint Conditions in Mammals**" for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, hereby assign unto **MERIAL INC.**, having a place of business at **3239 Satellite Blvd., Duluth, Georgia 30096 U.S.A.**, its successors and assigns (1) the entire right, title and interest in all countries throughout the world in and to any and all of my/our inventions and discoveries in my/our United States utility patent application filed on January 13, 2017, subsequently identified as U.S. Patent Application No. 15/405,992 and International Patent Application, filed under the Patent Cooperation Treaty in the United States Receiving Office (RO/US) on January 13, 2017, subsequently identified as International Patent Application No. PCT/US17/13419, and designating all PCT member countries/states, as well as in any renewals, revivals, reissues, reexaminations, extensions, continuations and divisions thereof, and any substitute applications therefore; (2) the full and complete right to file patent applications in the name of **MERIAL INC.**, or their designee's election, on the aforesaid inventions, discoveries and applications in all countries of the world; (3) the entire right title and interest in and to any Letters Patent which may issue on the aforesaid inventions, discoveries and applications in any country of the world and any renewals, revivals, reissues, reexaminations and extensions thereof, and any patents of confirmation, registration and importation of the same; and (4) the entire right, title and interest in and to all Convention and Treaty Rights of all kinds thereon, including without limitation all rights of priority in any country of the world, in and to the following priority application(s):

**United States Provisional Application No. 62/278,243, filed 13 January 2016**

and all rights of priority in any country of the world deriving from the above-identified International Application.

I hereby authorize and request the competent authorities to grant and to issue any and all such Letters Patent in any country throughout the world to **MERIAL INC.** as the assignee of the entire

right, title and interest therein, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, sale and transfer not been made.

I agree, at any time, upon the request of Merial INC., to execute and to deliver to Merial INC. any additional applications for patents for said inventions and discoveries, or any part or parts thereof, and any applications for patents of confirmation, registration and importation based on any Letters Patent issuing on said inventions, discoveries or applications, and divisions, continuations, renewals, revivals, reissues, reexaminations and extensions thereof.

I further agree, at any time, upon request of Merial INC., to execute and to deliver to Merial INC., such additional documents, if any, as are necessary or desirable to secure patent protection on said inventions, discoveries and applications throughout all countries of the world, and otherwise to do what is necessary to give full effect to and to perfect any and all rights of Merial INC., under this Assignment, including the execution, delivery and procurement of any and all further documents evidencing this assignment, transfer and sale as may be necessary or desirable.

In testimony of which I have hereupon affixed my signature, it is my intention that this Assignment instrument be effective, and all rights transferred herein shall be considered to have vested in Merial INC., as of the January 13, 2016, the filing date of United States Provisional Application No. 62/278,243 from which earliest priority is hereby claimed.


(I) Assignor's Signature:

  
Name: Monica Dias Figueiredo

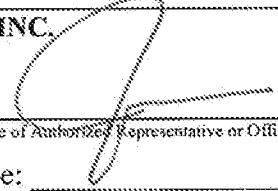
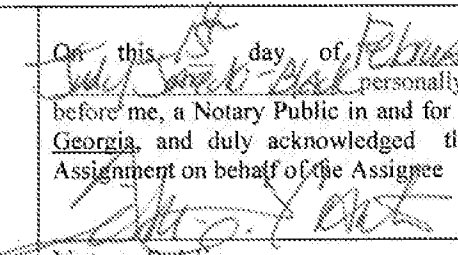
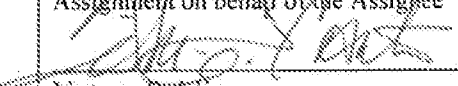
31 January 2017  
Date

WITNESSES

  
Sign here (Print name below)  
Witness 1: JONAS SOUZA

  
Sign here (Print name below)  
Witness 2: Tatiana Lourenco

ACKNOWLEDGEMENT OF ASSIGNEE

<p>MERIAL INC.</p> <p>By:  <small>(Signature of Authorized Representative or Officer)</small></p> <p>Print Name: _____</p> <p>Title: _____</p> <p>Judy Jarecki-Black, Ph.D., J.D. Assistant Secretary</p>	<p>On this <u>15<sup>th</sup></u> day of <u>February</u>, 2017  personally appeared before me, a Notary Public in and for the <u>State of Georgia</u>, and duly acknowledged the executed Assignment on behalf of the Assignee</p> <p> Notary Public</p>
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NOTARY PUBLIC, FULTON COUNTY, GEORGIA  
MY COMMISSION EXPIRES MARCH 24, 2020