

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5912241

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JOSEPH COLLARD	09/11/2019
OLGA KHORKOVA SHERMAN	09/13/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	CURNA, INC.
<b>Street Address:</b>	4400 BISCAYNE BLVD.
<b>City:</b>	MIAMI
<b>State/Country:</b>	FLORIDA
<b>Postal Code:</b>	33137
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16579160
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(305)575-4140
<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>	PATENTS@OPKO.COM
<b>Correspondent Name:</b>	OPKO HEALTH, INC.
<b>Address Line 1:</b>	4400 BISCAYNE BLVD.
<b>Address Line 4:</b>	MIAMI, FLORIDA 33137
<b>NAME OF SUBMITTER:</b>	SAYRA SUAREZ
<b>SIGNATURE:</b>	/SAYRA SUAREZ/
<b>DATE SIGNED:</b>	01/15/2020
<b>Total Attachments: 3</b>	
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WHEREAS, the undersigned:

1. **COLLARD, Joseph**, 1004 Brooks Lane, Delray Beach, FL 33483, U.S.A.
2. **KHORKOVA SHERMAN, Olga**, 18288 SE Heritage Drive, Tequesta, FL 33469, U.S.A.

(hereinafter "**Inventor(s)**"), have invented certain new and useful improvements in

**TREATMENT OF DOWN SYNDROME GENE RELATED DISEASES BY INHIBITION OF NATURAL  
ANTISENSE TRANSCRIPT TO A DOWN SYNDROME GENE**

- identified by United States Divisional Application No. 16/579,160 filed on September 23, 2019;
- identified by Provisional Application Nos. \_\_\_\_\_ filed on \_\_\_\_\_ in the United States Patent Office;
- identified by International Application No. \_\_\_\_\_ filed on \_\_\_\_\_ in the U.S. Receiving Office of the Patent Cooperation Treaty;
- is also aware of the following priority applications:

Serial No.: **16/026,359; Filed on July 3, 2018;**

Serial No.: **14/546,828; Filed on November 18, 2014; Now Patent No.: 10,036,014**

Serial No.: **13/379,743; Filed on December 21, 2011; Now Patent No.: 8,921,330**

Serial No.: **PCT/US2010/039827; Filed on June 24, 2010**

Serial No.: **61/220,747; Filed on June 26, 2009 and 61/235,752; Filed on August 21, 2009**

(hereinafter "**Application(s)**")

WHEREAS, CuRNA, Inc., a corporation of the State of Delaware, having a place of business at 4400 Biscayne Boulevard, Miami, Florida 33137 (hereinafter "**Assignee**"), is desirous of acquiring the entire right, title and interest in and to said Application(s) and the inventions disclosed therein, and in and to all embodiments of the inventions, heretofore conceived, made or discovered, whether jointly or severally, by said Inventor(s) (hereinafter collectively referred to as "**Inventions**"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter "**Patent(s)**") thereon granted in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventor(s) to have been received in full from said Assignee:

1. Said Inventor(s) do hereby sell, assign, transfer and convey unto said Assignee the entire right, title, and interest (a) in and to said Inventions, including the right to claim priority to said Inventions; (b) in and to all rights to all United States and corresponding non-United States patent applications and Patent(s), including those filed under the Paris Convention for the Protection of Industrial Property, The Patent Cooperation Treaty or otherwise; (c) in and to any and all applications filed and any and all Patent(s) granted on said Inventions in the United States, in any foreign country, or under any international convention, agreement, protocol, or treaty, including each and every application filed and any and all Patent(s) granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said Application(s); and (d) in and to each and every reissue, reexamination, or extensions of any said Patent(s).

2. Said Inventor(s) hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty. Such cooperation by said Inventor(s) shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any applications covering said Inventions; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said Inventions; (d) for filing and prosecuting applications for reissuance of any said Patent(s); (e) for interference or other priority proceedings involving said Inventions; and (f) for legal proceedings involving said Inventions and any applications therefore and any Patent(s) granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventor(s) in providing such cooperation shall be paid for by said Assignee.

3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventor(s), their respective heirs, legal representatives and assigns.

4. Said Inventor(s) hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

5. Said Inventor(s) hereby request that any Patent(s) issuing in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty, be issued in the name of the Assignee, or its successors and assigns, for the sole use of said Assignee, its successors, legal representatives and assigns.

IN WITNESS WHEREOF, said Inventor(s) have executed and delivered this instrument to said Assignee as of the dates written below:

Date: 9/11, 2019

[Signature]  
JOSEPH COLLARD

STATE OF FLORIDA )  
COUNTY OF Palm Beach )

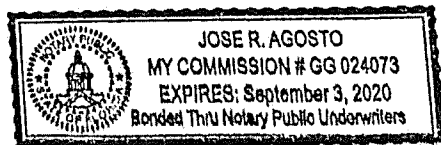
SS:

On this 11 day of Sept., 2019, before me personally appeared Joseph Collard, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and purposes therein set forth.

SEAL

Notary Public [Signature]

My commission expires: 09-03-2020



Date: \_\_\_\_\_, 2019

*Olga Khorkova Sherman*  
OLGA KHORKOVA SHERMAN

STATE OF FLORIDA )  
COUNTY OF PALM BEACH ) SS:

On this 13<sup>TH</sup> day of SEPTEMBER, 2019, before me personally appeared Olga Khorkova Sherman, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and purposes therein set forth.

S E A L

Notary Public *Jeffrey Mark Nichols*

My commission expires: 12/6/2019

