

ASSIGNMENT

Serial No: 62/323,333

Filed: April 15, 2016

Title: ADENO-ASSOCIATED VIRUS VECTOR DELIVERY OF B-SARCOGLYCAN AND MICRORNA-29 AND THE TREATMENT OF MUSCULAR DYSTROPHY

For good and valuable consideration, the receipt and sufficiency of which are hereby agreed, each of the undersigned agrees to assign and hereby assigns to RESEARCH INSTITUTE AT NATIONWIDE CHILDREN'S HOSPITAL, 700 Children's Drive, Room W172, Columbus, Ohio 43205 and its successors and assigns ("Assignee") the entire right, title, and interest in and to the inventions of such undersigned that are disclosed in the application listed above. Also assigned are (i) all rights in any and all other applications anywhere in the world that the undersigned may file and/or be named as an inventor of, solely or jointly, on said inventions, (ii) all rights in any and all patents that may be obtained on any of said applications, and (iii) all rights in any and all reissues, reexaminations, supplemental examinations, inter partes reviews, oppositions, post-grant reviews, supplementary protection certificates, and/or extensions thereof. The rights assigned include without limitation, the right to bring suit, the right to claim and retain all damages and/or seek other remedies for the past, present, and future infringement of any of the foregoing, and the right of priority (including without limitation the right to claim priority benefit of or to said patent applications.) The undersigned request the Commissioner for Patents in the United States and similar authorities outside the United States to issue said patents to and in the name of Assignee.

Each of the undersigned authorizes the attorneys of record in the application listed above to insert in this assignment the filing date and application number of the application listed above when officially known.

Each of the undersigned states that the application listed above is or was made or authorized to be made by him or her. Each of the undersigned believes himself or herself to be the original inventor or an original joint inventor of a claimed invention in the application listed above. Each of the undersigned acknowledges that any willful false statement made by him or her in this paragraph is punishable under 18 U.S.C. §1001 by fine or imprisonment of not more than five years, or both.

Except in favor of Assignee, each of the undersigned warrants that: (i) he or she is the owner of all its rights, title and interests herein assigned and has the right to make this unconditional and irrevocable assignment to Assignee without obtaining any approval or permission of a third party; and (ii) there are no outstanding encumbrances, liens, prior assignments, licenses, or other obligations or restrictions on the rights, title and interests herein assigned.

Upon the request of Assignee and at no expense to the undersigned, each of the undersigned hereby agrees to execute any and all applications on said inventions (including without limitation applications or requests for the reissue, reexamination, or extension of the patent or for a supplementary protection certificate) and any oath, declaration, or affidavit relating thereto that Assignee may deem necessary or expedient, and to cooperate to

the best of the ability of the undersigned with Assignee and perform any and all affirmative acts requested by Assignee to prepare, file, prosecute, maintain, defend, enforce, and vest in Assignee the rights, title, and interests assigned herein. These acts include, without limitation, preparing and executing statements and giving and producing evidence in support thereof, whereby said rights, title and interests will be held and enjoyed by Assignee to the full end of the term for which said patents may be granted as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made.

On behalf of Assignee,

Amy Roscoe

Name

Vice President, Strategic Planning and Finance

Title

hereby confirms Assignee's acceptance of all rights, privileges, title and interests conveyed by this assignment.

Amy Roscoe
Signature

05/02/2016
Date

WITNESS our hands this 2nd day of May, 2016.
State of Ohio
County of Franklin Louise Rodino-Klapac
Louise Rodino-Klapac

On this 2nd day of May, 2016, before me, a
Notary Public in and for the County and State aforesaid, appeared, to me personally known to be the same
persons whose names are subscribed to the foregoing instrument, and acknowledged that they executed said
instrument as their free and voluntary act and for the uses and purposes therein expressed.
WITNESS my hand and seal the same day and year last above given.

My Commission Expires: 02/07/2021 Anne Curran
Notary Public

WITNESS our hands this 2nd day of MAY, 2016.
State of Ohio
County of Franklin Jerry R. Mendell
Jerry R. Mendell

On this _____ day of _____, _____, before me, a
Notary Public in and for the County and State aforesaid, appeared, to me personally known to be the same
persons whose names are subscribed to the foregoing instrument, and acknowledged that they executed said
instrument as their free and voluntary act and for the uses and purposes therein expressed.
WITNESS my hand and seal the same day and year last above given.

My Commission Expires: 02/07/2021 Anne Curran
Notary Public

ASSIGNMENT

Appl. No.: 62/433,548

Filed: December 13, 2016

Title: ADENO-ASSOCIATED VIRUS VECTOR DELIVERY OF B-SARCOGLYCAN AND MICRORNA-29 AND THE TREATMENT OF MUSCULAR DYSTROPHY

For good and valuable consideration, the receipt and sufficiency of which are hereby agreed, Louise Rodino-Klapac and Jerry R. Mendell ("Assignor") agrees to assign and hereby does assign to RESEARCH INSTITUTE AT NATIONWIDE CHILDREN'S HOSPITAL, 700 Children's Drive, Room W172, Columbus, Ohio 43205 ("Assignee") all rights, title, and interests in and to the inventions that are disclosed in the application listed above (the "Application") including, but without limitation, all rights:

(i) in and to the Application and all other applications anywhere in the world that have been or may be filed on said inventions and/or naming Assignor as an inventor of said inventions,

(ii) in and to all patents issuing on any of the foregoing,

(iii) in and to all reissues, reexaminations, supplemental examinations, inter partes reviews, oppositions, post-grant reviews, supplementary protection certificates, and/or extensions of any of the foregoing,

(iv) to bring suit, the right to claim and retain all damages and/or seek other remedies for the past, present, and future infringement and/or misappropriation of any of the foregoing, and

(v) of priority including, but without limitation, the right to claim priority benefit of or to the Application and all of the foregoing.

Assignor requests the Commissioner for Patents in the United States and similar authorities outside the United States to issue said patents to and in the name of Assignee or its designee. Assignor authorizes the attorneys of record in the application to insert in this assignment the filing date and application number of the Application when officially known. Assignor:

(a) declares: (1) The application was made or authorized to be made by me, (2) I believe myself, as a named inventor, to be the original inventor or an original joint inventor of a claimed invention in the Application and I understand that any willful false statement made by me in this paragraph is punishable under 18 U.S.C. §1001 by fine or imprisonment of not more than five years, or both;

(b) warrants except in favor of Assignee: (1) Assignor is the owner of all its rights, title and interests herein assigned and has the right to make this unconditional and irrevocable assignment to Assignee without obtaining any approval or permission of a third party; and (2) there are no outstanding encumbrances, liens, prior assignments, licenses, or other obligations or restrictions on the rights, title and interests herein assigned; and

(c) agrees to execute, upon the request of Assignee or its designee at no expense to Assignor, all applications or documents related to the inventions including, but without limitation, any oath, declaration, or affidavit relating thereto that Assignee may deem necessary or expedient, and to fully cooperate with Assignee and/or its designee to perform all affirmative acts requested to prepare, file, prosecute, maintain, defend, enforce, and vest in Assignee the rights, title, and interests assigned herein whereby said rights, title and interests will be held and enjoyed by Assignee or its designee to the full end of the term for which the intellectual property rights herein may be available as fully and entirely as the same would have been held and enjoyed by Assignor if this assignment had not been made.

On behalf of Assignee,

Amy Roscoe

Name

Vice President, Strategic Planning and Finance

Title

hereby confirms Assignee's acceptance.



Signature

12/30/2016

Date

WITNESS our hands this

6th day of January, 2017

State of Ohio
County of Franklin

Louise Rodino-Klapac
Louise Rodino-Klapac

On this 6th day of January, 2017, before me, a
Notary Public in and for the County and State aforesaid, appeared
Louise Rodino-Klapac, known to me personally or proved to me on the
basis of satisfactory evidence to be the same person/persons whose name is/are subscribed to the foregoing
instrument and acknowledged that he/she executed said instrument as his/her free and voluntary act and for the
uses and purposes therein expressed.

WITNESS my hand and seal the same day and year last above given.

My Commission Expires:

[Signature]

ANDREW MICHAEL CORRIS, Attorney At Law
NOTARY PUBLIC - STATE OF OHIO
My commission has no expiration date
Sec. 147.03 R.C.

Notary Public

WITNESS our hands this

6th day of January, 2017

State of Ohio
County of Franklin

Jerry R. Mendell
Jerry R. Mendell

On this 6th day of January, 2017, before me, a
Notary Public in and for the County and State aforesaid, appeared
Jerry R. Mendell, known to me personally or proved to me on the
basis of satisfactory evidence to be the same person/persons whose name is/are subscribed to the foregoing
instrument and acknowledged that he/she executed said instrument as his/her free and voluntary act and for the
uses and purposes therein expressed.

WITNESS my hand and seal the same day and year last above given.

My Commission Expires:

[Signature]

ANDREW MICHAEL CORRIS, Attorney At Law
NOTARY PUBLIC - STATE OF OHIO
My commission has no expiration date
Sec. 147.03 R.C.

Notary Public