Attorney Docket No. FULC-026/03US 326242-2077

ASSIGNMENT

Lucienne V. RONCO, Ning SHEN, Alan Scott ROBERTSON, and **Aaron Nakwon CHANG** (each referred to as "Assignor") have made an invention(s) (the "Invention(s)") set forth in an application for patent entitled **P38 KINASE INHIBITORS REDUCE DUX4 AND DOWNSTREAM GENE EXPRESSION FOR THE TREATMENT OF FSHD**, and which is a:

(1) [x] provisional application
- (a) [ ] to be filed herewith; or
- (b) [x] bearing Application No. 62/568,673, and filed on October 5, 2017; and Application No. 62/682,565, and filed June 8, 2018;

(2) [x] non-provisional application
- (a) [ ] to be filed herewith; or
- (b) [x] bearing Application No. 16/195,361, and filed on November 19, 2018; and/or

(3) [ ] PCT application
- (a) [ ] bearing Application No. , and filed on .

and/or

(4) [ ] attached hereto.

WHEREAS, Fulcrum Therapeutics, Inc., having its principal place of business at 26 Landsdowne Street, Cambridge, MA 02139, its successors, legal representatives and assigns, (the "Assignee"), is desirous of acquiring the entire right, title, and interest in: the Invention(s); the application(s) for patent identified above; the right to file applications for patent of the United States or other countries on the Invention(s); any application(s) for patent of the United States or other countries claiming priority to, and/or the benefit of, these applications; any provisional or other right to recover any and all past, present, and future damages, including royalties, for any and all past, present, and future infringements of these application(s); and any and all patent(s) of the United States or other countries that may be granted therefor or thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, and to the extent that the Assignor has not done so already via a prior agreement with the Assignee or a predecessor in interest of the Assignee, or if the Assignor has already done so via a prior agreement with the Assignee or a predecessor in interest of the Assignee then in confirmation of any obligation to do so in said prior

agreement, the Assignor has sold, assigned, transferred, and set over, and by these presents does sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns, the Assignor's entire right, title, and interest in:

(a) the Invention(s);

(b) the application(s) for patent identified above;

(c) the right to file applications for patent of the United States or other countries on the Invention(s), including all rights under the Hague Convention, the Paris Convention for the Protection of Industrial Property, and under the Patent Cooperation Treaty, and all rights of claiming priority in any country of the world;

(d) any application(s) for patent of the United States or other countries claiming the Invention(s);

(e) any application(s) for patent of the United States or other countries claiming priority to, and/or the benefit of, at least one of the application(s) for patent identified above or any application(s) for patent claiming the Invention(s), including any priority application(s), substitute application(s), division(s), continuation(s), and continuation(s)-in-part;

(f) any provisional or other right to recover any and all past, present, and future damages, including royalties, for any and all past, present, and future infringements of any application for patent identified in the preceding paragraphs (b)-(e) and of any and all patent(s) granted based thereon in the United States and in all other countries; and

(g) any patent(s) of the United States or other countries that may be granted for or on any application for patent identified in the preceding paragraphs (b)-(e), including any reissue(s), reexamination(s), revival(s), renewal(s) and extension(s) of said patent(s).

The above-granted rights, titles, and interests are to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, as fully and entirely as the same would have been held and enjoyed by the Assignor had this sale and assignment not been made.

The Assignor hereby represents to the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, or if applicable, at such time said prior agreement was executed, the Assignor is a lawful owner of an undivided interest in the entire right, title, and interest in and to the Invention(s), that the Invention(s) are unencumbered, except, if applicable, by obligation to assign in accordance with said prior agreement, and that the Assignor has good and full right and lawful authority to sell and convey the same in the manner set forth herein, and

that Assignor will not make or enter into any assignment, sale, agreement or encumbrance which would conflict with these presents.

The Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns, that the Assignor will sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done in connection with any and all proceedings for the procurement, maintenance, enforcement and defense of the Invention(s), said application(s), and said patent(s), including interference and derivation proceedings, and any post-grant proceedings (e.g., opposition proceedings, post-grant reviews, *Inter partes* reviews, supplemental examinations, etc.) without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns.

The Assignor hereby authorizes and requests the attorneys of COOLEY LLP to insert in the spaces provided above the filing date, the application number, and the attorney docket number of the application(s) identified above when known.

The Assignor hereby requests the Commissioner of Patents to issue said patents of the United States to the Assignee for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date: May 1, 2019 By: _____
Lucienne V. Ronco

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of Massachusetts)
) ss.
County of Middlesex)

On May 1, 2019, before me, Nicole T. Gallagher, Notary Public, personally appeared Lucienne V. Ronco, who proved to me on the basis of satisfactory evidence, to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. REQUIRED SENTENCE IF NOTARIZED IN CALIFORNIA: I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature of Notary Public

Place Notary Seal Above

My Commission Expires: November 7, 2025

NICOLE TRITTA GALLAGHER
Notary Public
Commonwealth of Massachusetts
My Commission Expires
November 7, 2025

Date: 5/1/2019 By: _____
Ning Shen

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of Massachusetts)
) ss.
County of Middlesex)

On May 1, 2019, before me, Nicole T. Gallagher, Notary Public, personally appeared Ning Shen, who proved to me on the basis of satisfactory evidence, to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. REQUIRED SENTENCE IF NOTARIZED IN CALIFORNIA: I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Nicole T. Gallagher
Signature of Notary Public

Place Notary Seal Above

My Commission Expires: November 7, 2025

NICOLE TRITTA GALLAGHER
Notary Public
Commonwealth of Massachusetts
My Commission Expires
November 7, 2025

Date: 5/1/2019 By: _____
Alan Scott Robertson

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State of Massachusetts)
) ss.
County of Middlesex)

On May 1, 2019, before me, Nicole T. Gallagher, Notary Public, personally appeared Alan Scott Robertson, who proved to me on the basis of satisfactory evidence, to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. REQUIRED SENTENCE IF NOTARIZED IN CALIFORNIA: I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Nicole T. Gallagher
Signature of Notary Public

Place Notary Seal Above

My Commission Expires: November 7, 2025

NICOLE TRITTA GALLAGHER
Notary Public
Commonwealth of Massachusetts
My Commission Expires
November 7, 2025

Date: 5/1/19 By: Aaron Nakwon Chang

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State of Massachusetts)
) ss.
County of Middlesex)

On May 1, 2019, before me, Nicole T. Gallagher, Notary Public, personally appeared Aaron Nakwon Chang, who proved to me on the basis of satisfactory evidence, to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. REQUIRED SENTENCE IF NOTARIZED IN CALIFORNIA: I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Nicole T. Gallagher

Signature of Notary Public Place Notary Seal Above

My Commission Expires: November 7, 2025

NICOLE TRITTA GALLAGHER
Notary Public
Commonwealth of Massachusetts
My Commission Expires
November 7, 2025

For and on behalf of ASSIGNEE:

Date: 01 MAY 2019

By: _____
Name: Robert J. Gould
Title: President & CEO
Company: Fulcrum Therapeutics, Inc.

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of Massachusetts)
) ss.
County of Middlesex)

On May 1, 2019, before me, Nicole T. Gallagher, Notary Public, personally appeared Robert J. Gould, who proved to me on the basis of satisfactory evidence, to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. REQUIRED SENTENCE IF NOTARIZED IN CALIFORNIA: I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Nicole T. Gallagher
Signature of Notary Public

Place Notary Seal Above

My Commission Expires: November 7, 2025

NICOLE TRITTA GALLAGHER
Notary Public
Commonwealth of Massachusetts
My Commission Expires
November 7, 2025

United States Patent and Trademark Office

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Your assignment has been received by the USPTO.
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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ANGELA MARIE CACACE	10/05/2018
LUIS GUSTAVO ALEJANDRO ROJAS SOTO	10/04/2018
OWEN BRENDAN WALLACE	10/04/2018

RECEIVING PARTY DATA

Name:	FULCRUM THERAPEUTICS, INC.
Street Address:	26 LANDSDOWNE STREET
City:	CAMBRIDGE
State/Country:	MASSACHUSETTS
Postal Code:	02139

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	62568673

CORRESPONDENCE DATA

Fax Number: (617)937-2400
Phone: (617) 937-2482
Email: fvandermaelen@cooley.com
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.
Correspondent Name: COOLEY LLP, ATTN: PATENT GROUP
Address Line 1: 1299 PENNSYLVANIA AVENUE, NW
Address Line 2: SUITE 700
Address Line 4: WASHINGTON, D.C. 20004

ATTORNEY DOCKET NUMBER:	FULC-026/00US 326242-2026
NAME OF SUBMITTER:	ASHLEY M. DREIS
Signature:	/Ashley M. Dreis/
Date:	10/05/2018

Total Attachments: 7
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RECEIPT INFORMATION

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Receipt Date: 10/05/2018

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Attorney Docket No. FULC-026/00US 326242-2026

ASSIGNMENT

Angela Marie CACACE, **Luis Gustavo Alejandro ROJAS SOTO**, and **Owen Brendan WALLACE** (each referred to as "Assignor") have made an invention(s) (the "Invention(s)") set forth in an application for patent entitled **USE OF P38 INHIBITORS FOR REDUCING DUX4 AND DOWNSTREAM GENE EXPRESSION**, and which is a:

(1) [x] provisional application
- (a) [ ] to be filed herewith; or
- (b) [x] bearing Application No. 62/568,673, and filed on October 5, 2017;

(2) [ ] non-provisional application
- (a) [ ] to be filed herewith; or
- (b) [ ] bearing Application No. , and filed on ;

and/or

(3) [ ] PCT application
- (a) [ ] bearing Application No. , and filed on .

and/or

(4) [ ] attached hereto.

WHEREAS, Fulcrum Therapeutics, Inc., having its principal place of business at 26 Landsdowne Street, Cambridge, MA 02139, its successors, legal representatives and assigns, (the "Assignee"), is desirous of acquiring the entire right, title, and interest in: the Invention(s); the application(s) for patent identified above; the right to file applications for patent of the United States or other countries on the Invention(s); any application(s) for patent of the United States or other countries claiming priority to, and/or the benefit of, these applications; any provisional or other right to recover any and all past, present, and future damages, including royalties, for any and all past, present, and future infringements of these application(s); and any and all patent(s) of the United States or other countries that may be granted therefor or thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, and to the extent that the Assignor has not done so already via a prior agreement with the Assignee or a predecessor in interest of the Assignee, or if the Assignor has already done so via a prior agreement with the Assignee or a predecessor in interest of the Assignee then in confirmation of any obligation to do so in said prior agreement, the Assignor has sold, assigned, transferred, and set over, and by these presents

does sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns, the Assignor's entire right, title, and interest in:

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(c) the right to file applications for patent of the United States or other countries on the Invention(s), including all rights under the Hague Convention, the Paris Convention for the Protection of Industrial Property, and under the Patent Cooperation Treaty, and all rights of claiming priority in any country of the world;

(d) any application(s) for patent of the United States or other countries claiming the Invention(s);

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(f) any provisional or other right to recover any and all past, present, and future damages, including royalties, for any and all past, present, and future infringements of any application for patent identified in the preceding paragraphs (b)-(e) and of any and all patent(s) granted based thereon in the United States and in all other countries; and

(g) any patent(s) of the United States or other countries that may be granted for or on any application for patent identified in the preceding paragraphs (b)-(e), including any reissue(s), reexamination(s), revival(s), renewal(s) and extension(s) of said patent(s).

The above-granted rights, titles, and interests are to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, as fully and entirely as the same would have been held and enjoyed by the Assignor had this sale and assignment not been made.

The Assignor hereby represents to the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, or if applicable, at such time said prior agreement was executed, the Assignor is a lawful owner of an undivided interest in the entire right, title, and interest in and to the Invention(s), that the Invention(s) are unencumbered, except, if applicable, by obligation to assign in accordance with said prior agreement, and that the Assignor has good and full right and lawful authority to sell and convey the same in the manner set forth herein, and that Assignor will not make or enter into any assignment, sale, agreement or encumbrance which would conflict with these presents.

The Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns, that the Assignor will sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done in connection with any and all proceedings for the procurement, maintenance, enforcement and defense of the Invention(s), said application(s), and said patent(s), including interference and derivation proceedings, and any post-grant proceedings (e.g., opposition proceedings, post-grant reviews, *Inter partes* reviews, supplemental examinations, etc.) without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns.

The Assignor hereby authorizes and requests the attorneys of COOLEY LLP to insert in the spaces provided above the filing date, the application number, and the attorney docket number of the application(s) identified above when known.

The Assignor hereby requests the Commissioner of Patents to issue said patents of the United States to the Assignee for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date: 10/5/2018 By: _____
Angela Marie Cacace

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of Massachusetts)
) ss.
County of Middlesex)

On Oct 5, 2018, before me, Elyse Mendelson, Notary Public, personally appeared Angela Marie Cacace, who proved to me on the basis of satisfactory evidence, to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. REQUIRED SENTENCE IF NOTARIZED IN CALIFORNIA: I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

_____
Signature of Notary Public

Place Notary Seal Above

My Commission Expires: Oct 12, 2023

ELYSE NAN MENDELSON
Notary Public
COMMONWEALTH OF MASSACHUSETTS
My Commission Expires
October 12, 2023

Date: 4 OCT 2018 By: _____
Luis Gustavo Alejandro Rojas Soto

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State of Massachusetts)
) ss.
County of Middlesex)

On Oct 4, 2018, before me, Elyse Mendelson, Notary Public, personally appeared Luis Gustavo Alejandro Rojas Soto, who proved to me on the basis of satisfactory evidence, to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. REQUIRED SENTENCE IF NOTARIZED IN CALIFORNIA: I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

_____
Signature of Notary Public

Place Notary Seal Above

My Commission Expires: Oct 12, 2023

ELYSE NAN MENDELSON
Notary Public
COMMONWEALTH OF MASSACHUSETTS
My Commission Expires
October 12, 2023

Date: 4 Oct 2018 By: Owen Brendan Wallace

Owen Brendan Wallace

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State of Massachusetts)
) ss.
County of Middlesex)

On Oct 4, 2018, before me, Elyse Mendelson, Notary Public, personally appeared Owen Brendan Wallace, who proved to me on the basis of satisfactory evidence, to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. REQUIRED SENTENCE IF NOTARIZED IN CALIFORNIA: I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature of Notary Public

Place Notary Seal Above

My Commission Expires: Oct 12, 2023

ELYSE NAN MENDELSON
Notary Public
COMMONWEALTH OF MASSACHUSETTS
My Commission Expires
October 12, 2023

For and on behalf of ASSIGNEE:

Date: 10/4/18

By: Robert Gould

Name: Robert Gould
Title: CEO
Company: Fulcrum Therapeutics, Inc.

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State of Massachusetts)
) ss.
County of Middlesex)

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Signature of Notary Public

Place Notary Seal Above

My Commission Expires: Oct 12, 2023

ELYSE NAN MENDELSON
Notary Public
COMMONWEALTH OF MASSACHUSETTS
My Commission Expires
October 12, 2023

Attorney Docket No. FULC-026/00US 326242-2026

ASSIGNMENT

Lorin A. THOMPSON, III, residing at 20 Short Street, Cohasset, MA 02025 (referred to as "Assignor") has made an invention(s) (the "Invention(s)") set forth in an application for patent, entitled USE OF P38 INHIBITORS FOR REDUCING DUX4 AND DOWNSTREAM GENE EXPRESSION, and which is a:

(1) [x] provisional application
- (a) [ ] to be filed herewith; or
- (b) [x] bearing Application No. 62/568,673, and filed on October 5, 2017;

(2) [ ] non-provisional application
- (a) [ ] to be filed herewith; or
- (b) [ ] bearing Application No. , and filed on ;

and/or

(3) [ ] PCT application
- (a) [ ] bearing Application No. , and filed on .

and/or

(4) [ ] attached hereto.

WHEREAS, Fulcrum Therapeutics, Inc., a having its principal place of business at One Kendall Square, Building 700, Suite 7102, Cambridge, MA 02139, its successors, legal representatives, and assigns (the "Assignee"), is desirous of acquiring the entire right, title, and interest in: the Invention(s); the application(s) for patent identified above; the right to file applications for patent of the United States or other countries on the Invention(s); any application(s) for patent of the United States or other countries claiming priority to, and/or the benefit of, these applications; any provisional or other right to recover any and all past, present, and future damages, including royalties, for any and all past, present, and future infringements of these application(s); and any and all patent(s) of the United States or other countries that may be granted therefor or thereon.

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(b) the application(s) for patent identified above;

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The Assignor hereby represents to the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, or if applicable, at such time said prior agreement was executed, the Assignor is the sole and lawful owner of the entire right, title, and interest in and to the Invention(s), that the Invention(s) are unencumbered, except, if applicable, by obligation to assign in accordance with said prior agreement, and that the Assignor has good and full right and lawful authority to sell and convey the same in the manner set forth herein, and that Assignor will not make or enter into any assignment, sale, agreement or encumbrance which would conflict with these presents.

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The Assignor hereby authorizes and requests the attorneys of COOLEY LLP to insert in the spaces provided above the filing date, the application number, and the attorney docket number of the application(s) identified above when known.

The Assignor hereby requests the Commissioner of Patents to issue said patents of the United States to the Assignee for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date: Oct. 6, 2017 By: Lorin A. Thompson III
Lorin A. Thompson, III

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of Massachusetts)
) ss.
County of Middlesex)

On Oct 6, 2017, before me, Elyse Mendelson, Notary Public, personally appeared Lorin A. Thompson, III, who proved to me on the basis of satisfactory evidence, to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. REQUIRED SENTENCE IF NOTARIZED IN CALIFORNIA: I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature of Notary Public

Place Notary Seal Above

My Commission Expires: Oct 12, 2023

ELYSE NAN MENDELSON
Notary Public
COMMONWEALTH OF MASSACHUSETTS
My Commission Expires
October 12, 2023

For and on behalf of ASSIGNEE:

Date: 6 Oct 2017

By: _____
Name: OWEN B WALLACE
Title: CSO
Company: Fulcrum Therapeutics, Inc.

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of Massachusetts)
) ss.
County of Middlesex)

On Oct 6, 2017, before me, Elyse Mendelson, Notary Public, personally appeared Owen Wallace, who proved to me on the basis of satisfactory evidence, to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. REQUIRED SENTENCE IF NOTARIZED IN CALIFORNIA: I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature of Notary Public

Place Notary Seal Above

My Commission Expires: Oct 12, 2023

ELYSE NAN MENDELSON
Notary Public
COMMONWEALTH OF MASSACHUSETTS
My Commission Expires
October 12, 2023

Attorney Docket No. FULC-027/00US 326242-2027
FULC-027/01US 326242-2068

ASSIGNMENT

Angela Marie CACACE, Luis Gustavo Alejandro ROJAS SOTO, Lorin A. THOMPSON, III, and **Owen Brendan WALLACE** (each referred to as "Assignor") have made an invention(s) (the "Invention(s)") set forth in an application for patent entitled **USE OF P38 INHIBITORS TO REDUCE EXPRESSION OF DUX4 AND DOWNSTREAM GENES** and **USE OF P38 INHIBITORS TO REDUCE EXPRESSION OF DUX4**, and which is a:

(1) [x] provisional application
- (a) [ ] to be filed herewith; or
- (b) [x] bearing Application No. 62/568,754, and filed on October 5, 2017; and
  [ ] Application No. 62/682,563, and filed on June 8, 2018;

(2) [ ] non-provisional application
- (a) [ ] to be filed herewith; or
- (b) [ ] bearing Application No. , and filed on ;

and/or

(3) [ ] PCT application
- (a) [ ] bearing Application No. , and filed on .

and/or

(4) [ ] attached hereto.

WHEREAS, Fulcrum Therapeutics, Inc., having its principal place of business at 26 Landsdowne Street, Cambridge, MA 02139, its successors, legal representatives and assigns, (the "Assignee"), is desirous of acquiring the entire right, title, and interest in: the Invention(s); the application(s) for patent identified above; the right to file applications for patent of the United States or other countries on the Invention(s); any application(s) for patent of the United States or other countries claiming priority to, and/or the benefit of, these applications; any provisional or other right to recover any and all past, present, and future damages, including royalties, for any and all past, present, and future infringements of these application(s); and any and all patent(s) of the United States or other countries that may be granted therefor or thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, and to the extent that the Assignor has not done so already via a prior agreement with the Assignee or a predecessor in interest of the Assignee, or if the Assignor has already done so via a prior agreement with the Assignee or a predecessor in

interest of the Assignee then in confirmation of any obligation to do so in said prior agreement, the Assignor has sold, assigned, transferred, and set over, and by these presents does sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns, the Assignor's entire right, title, and interest in:

(a) the Invention(s);

(b) the application(s) for patent identified above;

(c) the right to file applications for patent of the United States or other countries on the Invention(s), including all rights under the Hague Convention, the Paris Convention for the Protection of Industrial Property, and under the Patent Cooperation Treaty, and all rights of claiming priority in any country of the world;

(d) any application(s) for patent of the United States or other countries claiming the Invention(s);

(e) any application(s) for patent of the United States or other countries claiming priority to, and/or the benefit of, at least one of the application(s) for patent identified above or any application(s) for patent claiming the Invention(s), including any priority application(s), substitute application(s), division(s), continuation(s), and continuation(s)-in-part;

(f) any provisional or other right to recover any and all past, present, and future damages, including royalties, for any and all past, present, and future infringements of any application for patent identified in the preceding paragraphs (b)-(e) and of any and all patent(s) granted based thereon in the United States and in all other countries; and

(g) any patent(s) of the United States or other countries that may be granted for or on any application for patent identified in the preceding paragraphs (b)-(e), including any reissue(s), reexamination(s), revival(s), renewal(s) and extension(s) of said patent(s).

The above-granted rights, titles, and interests are to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, as fully and entirely as the same would have been held and enjoyed by the Assignor had this sale and assignment not been made.

The Assignor hereby represents to the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, or if applicable, at such time said prior agreement was executed, the Assignor is a lawful owner of an undivided interest in the entire right, title, and interest in and to the Invention(s), that the Invention(s) are unencumbered, except, if applicable, by obligation to assign in accordance with said prior agreement, and that the Assignor has good and full

right and lawful authority to sell and convey the same in the manner set forth herein, and that Assignor will not make or enter into any assignment, sale, agreement or encumbrance which would conflict with these presents.

The Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns, that the Assignor will sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done in connection with any and all proceedings for the procurement, maintenance, enforcement and defense of the Invention(s), said application(s), and said patent(s), including interference and derivation proceedings, and any post-grant proceedings (e.g., opposition proceedings, post-grant reviews, *Inter partes* reviews, supplemental examinations, etc.) without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns.

The Assignor hereby authorizes and requests the attorneys of COOLEY LLP to insert in the spaces provided above the filing date, the application number, and the attorney docket number of the application(s) identified above when known.

The Assignor hereby requests the Commissioner of Patents to issue said patents of the United States to the Assignee for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date: 10/5/2018 By: _____
Angela Marie Cacace

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of Massachusetts)
) ss.
County of Middlesex)

On Oct 5, 2018, before me, Elyse Mendelson, Notary Public, personally appeared Angela Marie Cacace, who proved to me on the basis of satisfactory evidence, to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. REQUIRED SENTENCE IF NOTARIZED IN CALIFORNIA: I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

_____
Signature of Notary Public

Place Notary Seal Above

My Commission Expires: Oct 12, 2023

ELYSE NAN MENDELSON
Notary Public
COMMONWEALTH OF MASSACHUSETTS
My Commission Expires
October 12, 2023

Date: 10/02/2018 By: _____
Luis Gustavo Alejandro Rojas Soto

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of Massachusetts)
) ss.
County of Middlesex)

On Oct 2, 2018, before me, Elyse Mendelson, Notary Public, personally appeared Luis Gustavo Alejandro Rojas Soto, who proved to me on the basis of satisfactory evidence, to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. REQUIRED SENTENCE IF NOTARIZED IN CALIFORNIA: I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

_____
Signature of Notary Public

Place Notary Seal Above

My Commission Expires: Oct 12, 2023

ELYSE NAN MENDELSON
Notary Public
COMMONWEALTH OF MASSACHUSETTS
My Commission Expires
October 12, 2023

Date: October 4, 2018 By: Lorin A Thompson
Lorin A. Thompson, III

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of Massachusetts)
) ss.
County of Middlesex)

On Oct 4, 2018, before me, Elyse Mendelson, Notary Public, personally appeared Lorin A. Thompson, III, who proved to me on the basis of satisfactory evidence, to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. REQUIRED SENTENCE IF NOTARIZED IN CALIFORNIA: I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature of Notary Public

Place Notary Seal Above

My Commission Expires: Oct 12, 2023

ELYSE MENDELSON
COMMONWEALTH OF MASSACHUSETTS
My Commission Expires
October 12, 2023

Date: 2 October 2018 By: _____
Owen Brendan Wallace

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of Massachusetts)
) ss.
County of Middlesex)

On Oct 2, 2018, before me, Elyse Mendelson, Notary Public, personally appeared Owen Brendan Wallace, who proved to me on the basis of satisfactory evidence, to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. REQUIRED SENTENCE IF NOTARIZED IN CALIFORNIA: I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

_____
Signature of Notary Public

Place Notary Seal Above

My Commission Expires: Oct 12, 2023

ELYSE NAN MENDELSON
Notary Public
COMMONWEALTH OF MASSACHUSETTS
My Commission Expires
October 12, 2023

For and on behalf of ASSIGNEE:

Date: 10/4/18

By: Robert Gould
Name: Robert Gould
Title: CEO
Company: Fulcrum Therapeutics, Inc.

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of Massachusetts)
) ss.
County of Middlesex)

On Oct 4, 2018, before me, Elyse Mendelson, Notary Public, personally appeared Robert Gould, who proved to me on the basis of satisfactory evidence, to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. REQUIRED SENTENCE IF NOTARIZED IN CALIFORNIA: I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature of Notary Public

Place Notary Seal Above

My Commission Expires: Oct 12, 2023

ELYSE NAN MENDELSON
Notary Public
COMMONWEALTH OF MASSACHUSETTS
My Commission Expires
October 12, 2023

Attorney Docket No. FULC-027

ASSIGNMENT

Lucienne V. RONCO, **Ning SHEN**, **Alan Scott ROBERTSON**, and **Aaron Nakwon CHANG** (each referred to as "Assignor") have made an invention(s) (the "Invention(s)") set forth in an application for patent entitled **USE OF P38 INHIBITORS TO REDUCE EXPRESSION OF DUX4**, and which is a:

(1) [x] provisional application
- (a) [ ] to be filed herewith; or
- (b) [x] bearing Application No. 62/568,754, and filed on October 5, 2017; and Application No. 62/682,563, and filed on June 8, 2019;

(2) [ ] non-provisional application
- (a) [ ] to be filed herewith; or
- (b) [ ] bearing Application No. , and filed on ;

and/or

(3) [x] PCT application
- (a) [x] bearing Application No. PCT/US2018/054638, and filed on October 5, 2018;

and/or

(4) [ ] attached hereto.

WHEREAS, Fulcrum Therapeutics, Inc., having its principal place of business at 26 Landsdowne Street, Cambridge, MA 02139, its successors, legal representatives and assigns, (the "Assignee"), is desirous of acquiring the entire right, title, and interest in: the Invention(s); the application(s) for patent identified above; the right to file applications for patent of the United States or other countries on the Invention(s); any application(s) for patent of the United States or other countries claiming priority to, and/or the benefit of, these applications; any provisional or other right to recover any and all past, present, and future damages, including royalties, for any and all past, present, and future infringements of these application(s); and any and all patent(s) of the United States or other countries that may be granted therefor or thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, and to the extent that the Assignor has not done so already via a prior agreement with the Assignee or a predecessor in interest of the Assignee, or if the Assignor has already done so via a prior agreement with the Assignee or a predecessor in interest of the Assignee then in confirmation of any obligation to do so in said prior agreement, the Assignor has sold, assigned, transferred, and set over, and by these presents

does sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns, the Assignor's entire right, title, and interest in:

(a) the Invention(s);

(b) the application(s) for patent identified above;

(c) the right to file applications for patent of the United States or other countries on the Invention(s), including all rights under the Hague Convention, the Paris Convention for the Protection of Industrial Property, and under the Patent Cooperation Treaty, and all rights of claiming priority in any country of the world;

(d) any application(s) for patent of the United States or other countries claiming the Invention(s);

(e) any application(s) for patent of the United States or other countries claiming priority to, and/or the benefit of, at least one of the application(s) for patent identified above or any application(s) for patent claiming the Invention(s), including any priority application(s), substitute application(s), division(s), continuation(s), and continuation(s)-in-part;

(f) any provisional or other right to recover any and all past, present, and future damages, including royalties, for any and all past, present, and future infringements of any application for patent identified in the preceding paragraphs (b)-(e) and of any and all patent(s) granted based thereon in the United States and in all other countries; and

(g) any patent(s) of the United States or other countries that may be granted for or on any application for patent identified in the preceding paragraphs (b)-(e), including any reissue(s), reexamination(s), revival(s), renewal(s) and extension(s) of said patent(s).

The above-granted rights, titles, and interests are to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, as fully and entirely as the same would have been held and enjoyed by the Assignor had this sale and assignment not been made.

The Assignor hereby represents to the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, or if applicable, at such time said prior agreement was executed, the Assignor is a lawful owner of an undivided interest in the entire right, title, and interest in and to the Invention(s), that the Invention(s) are unencumbered, except, if applicable, by obligation to assign in accordance with said prior agreement, and that the Assignor has good and full right and lawful authority to sell and convey the same in the manner set forth herein, and that Assignor will not make or enter into any assignment, sale, agreement or encumbrance which would conflict with these presents.

The Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns, that the Assignor will sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done in connection with any and all proceedings for the procurement, maintenance, enforcement and defense of the Invention(s), said application(s), and said patent(s), including interference and derivation proceedings, and any post-grant proceedings (e.g., opposition proceedings, post-grant reviews, *Inter partes* reviews, supplemental examinations, etc.) without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns.

The Assignor hereby authorizes and requests the attorneys of COOLEY LLP to insert in the spaces provided above the filing date, the application number, and the attorney docket number of the application(s) identified above when known.

The Assignor hereby requests the Commissioner of Patents to issue said patents of the United States to the Assignee for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date: May 1, 2019 By: _____
Lucienne V. Ronco

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of Massachusetts)
) ss.
County of Middlesex)

On May 1, 2019, before me, Nicole T. Gallagher, Notary Public, personally appeared Lucienne V. Ronco, who proved to me on the basis of satisfactory evidence, to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. REQUIRED SENTENCE IF NOTARIZED IN CALIFORNIA: I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Nicole T. Gallagher
Signature of Notary Public

Place Notary Seal Above

My Commission Expires: November 7, 2025

NICOLE TRITTA GALLAGHER
Notary Public
Commonwealth of Massachusetts
My Commission Expires
November 7, 2025

Date: 5/1/2019 By: _____
Ning Shen

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of Massachusetts)
) ss.
County of Middlesex)

On May 1, 2019, before me, Nicole T. Gallagher, Notary Public, personally appeared Ning Shen, who proved to me on the basis of satisfactory evidence, to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. REQUIRED SENTENCE IF NOTARIZED IN CALIFORNIA: I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Nicole T. Gallagher
Signature of Notary Public

Place Notary Seal Above

My Commission Expires: November 7, 2025

NICOLE TRITTA GALLAGHER
Notary Public
Commonwealth of Massachusetts
My Commission Expires
November 7, 2025

Date: 5/1/2019 By: _____
Alan Scott Robertson

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of Massachusetts)
) ss.
County of Middlesex)

On May 1, 2019, before me, Nicole T. Gallagher, Notary Public, personally appeared Alan Scott Robertson, who proved to me on the basis of satisfactory evidence, to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. REQUIRED SENTENCE IF NOTARIZED IN CALIFORNIA: I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Nicole T. Gallagher
Signature of Notary Public

Place Notary Seal Above

My Commission Expires: November 7, 2025

NICOLE TRITTA GALLAGHER
Notary Public
Commonwealth of Massachusetts
My Commission Expires
November 7, 2025

Date: 5/1/19 By: Aaron Nakwon Chang

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of Massachusetts)
) ss.
County of Middlesex)

On May 1, 2019, before me, Nicole T. Gallagher, Notary Public, personally appeared Aaron Nakwon Chang, who proved to me on the basis of satisfactory evidence, to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. REQUIRED SENTENCE IF NOTARIZED IN CALIFORNIA: I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Nicole T. Gallagher

Signature of Notary Public

Place Notary Seal Above

My Commission Expires: November 7, 2025

NICOLE TRITTA GALLAGHER
Notary Public
Commonwealth of Massachusetts
My Commission Expires
November 7, 2025

For and on behalf of ASSIGNEE:

Date: 01 MAY 2019

By: _____
Name: Robert J. Gould
Title: President & CEO
Company: Fulcrum Therapeutics, Inc.

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of Massachusetts)
) ss.
County of Middlesex)

On May 1, 2019, before me, Nicole T. Gallagher, Notary Public, personally appeared Robert J. Gould, who proved to me on the basis of satisfactory evidence, to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. REQUIRED SENTENCE IF NOTARIZED IN CALIFORNIA: I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

_____
Signature of Notary Public

Place Notary Seal Above

My Commission Expires: November 7, 2025

NICOLE TRITTA GALLAGHER
Notary Public
Commonwealth of Massachusetts
My Commission Expires
November 7, 2025

Attorney Docket No. FULC-026/01US 326242-2067

ASSIGNMENT

Lorin A. THOMPSON, III, Angela Marie CACACE, and **Luis Gustavo Alejandro ROJAS SOTO** (each referred to as "Assignor") have made an invention(s) (the "Invention(s)") set forth in an application for patent entitled **P38 KINASE INHIBITORS REDUCE DUX4 AND DOWNSTREAM GENE EXPRESSION FOR THE TREATMENT OF FSHD**, and which is a:

(1) [x] provisional application
- (a) [ ] to be filed herewith; or
- (b) [x] bearing Application No. 62/682,565, and filed on June 8, 2018;

(2) [ ] non-provisional application
- (a) [ ] to be filed herewith; or
- (b) [ ] bearing Application No. , and filed on ;

and/or

(3) [ ] PCT application
- (a) [ ] bearing Application No. , and filed on .

and/or

(4) [ ] attached hereto.

WHEREAS, Fulcrum Therapeutics, Inc., having its principal place of business at 26 Landsdowne Street, Cambridge, MA 02139, its successors, legal representatives and assigns, (the "Assignee"), is desirous of acquiring the entire right, title, and interest in: the Invention(s); the application(s) for patent identified above; the right to file applications for patent of the United States or other countries on the Invention(s); any application(s) for patent of the United States or other countries claiming priority to, and/or the benefit of, these applications; any provisional or other right to recover any and all past, present, and future damages, including royalties, for any and all past, present, and future infringements of these application(s); and any and all patent(s) of the United States or other countries that may be granted therefor or thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, and to the extent that the Assignor has not done so already via a prior agreement with the Assignee or a predecessor in interest of the Assignee, or if the Assignor has already done so via a prior agreement with the Assignee or a predecessor in interest of the Assignee then in confirmation of any obligation to do so in said prior agreement, the Assignor has sold, assigned, transferred, and set over, and by these presents

does sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns, the Assignor's entire right, title, and interest in:

(a) the Invention(s);

(b) the application(s) for patent identified above;

(c) the right to file applications for patent of the United States or other countries on the Invention(s), including all rights under the Hague Convention, the Paris Convention for the Protection of Industrial Property, and under the Patent Cooperation Treaty, and all rights of claiming priority in any country of the world;

(d) any application(s) for patent of the United States or other countries claiming the Invention(s);

(e) any application(s) for patent of the United States or other countries claiming priority to, and/or the benefit of, at least one of the application(s) for patent identified above or any application(s) for patent claiming the Invention(s), including any priority application(s), substitute application(s), division(s), continuation(s), and continuation(s)-in-part;

(f) any provisional or other right to recover any and all past, present, and future damages, including royalties, for any and all past, present, and future infringements of any application for patent identified in the preceding paragraphs (b)-(e) and of any and all patent(s) granted based thereon in the United States and in all other countries; and

(g) any patent(s) of the United States or other countries that may be granted for or on any application for patent identified in the preceding paragraphs (b)-(e), including any reissue(s), reexamination(s), revival(s), renewal(s) and extension(s) of said patent(s).

The above-granted rights, titles, and interests are to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, as fully and entirely as the same would have been held and enjoyed by the Assignor had this sale and assignment not been made.

The Assignor hereby represents to the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, or if applicable, at such time said prior agreement was executed, the Assignor is a lawful owner of an undivided interest in the entire right, title, and interest in and to the Invention(s), that the Invention(s) are unencumbered, except, if applicable, by obligation to assign in accordance with said prior agreement, and that the Assignor has good and full right and lawful authority to sell and convey the same in the manner set forth herein, and that Assignor will not make or enter into any assignment, sale, agreement or encumbrance which would conflict with these presents.

The Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns, that the Assignor will sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done in connection with any and all proceedings for the procurement, maintenance, enforcement and defense of the Invention(s), said application(s), and said patent(s), including interference and derivation proceedings, and any post-grant proceedings (e.g., opposition proceedings, post-grant reviews, *Inter partes* reviews, supplemental examinations, etc.) without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns.

The Assignor hereby authorizes and requests the attorneys of COOLEY LLP to insert in the spaces provided above the filing date, the application number, and the attorney docket number of the application(s) identified above when known.

The Assignor hereby requests the Commissioner of Patents to issue said patents of the United States to the Assignee for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date: September 19, 2018 By: Lorin A. Thompson III
Lorin A. Thompson, III

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of Massachusetts)
) ss.
County of Middlesex)

On 9/19/18, before me, Elyse Mendelson, Notary Public, personally appeared Lorin A. Thompson, III, who proved to me on the basis of satisfactory evidence, to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. REQUIRED SENTENCE IF NOTARIZED IN CALIFORNIA: I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature of Notary Public

Place Notary Seal Above

My Commission Expires: 10/12/2023

ELYSE NAN MENDELSON
Notary Public
COMMONWEALTH OF MASSACHUSETTS
My Commission Expires
October 12, 2023

Date: 9/21/18 By: _____
Angela Marie Cacace

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of Connecticut)
) ss.
County of New Haven)

On 9/21/18, before me, Angela Marie Cacace, Notary Public, personally appeared Angela Marie Cacace, who proved to me on the basis of satisfactory evidence, to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. REQUIRED SENTENCE IF NOTARIZED IN CALIFORNIA: I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

_____
Signature of Notary Public

Place Notary Seal Above

My Commission Expires: 3/31/2023

SKYLA ROSE WILSON
NOTARY PUBLIC
MY COMMISSION EXPIRES MAR. 31, 2023

Date: 09/19/2018 By: _____
Luis Gustavo Alejandro Rojas Soto

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of Massachusetts)
) ss.
County of Middlesex)

On 9/19/18, before me, Elyse Mendelson, Notary Public, personally appeared Luis Gustavo Alejandro Rojas Soto, who proved to me on the basis of satisfactory evidence, to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. REQUIRED SENTENCE IF NOTARIZED IN CALIFORNIA: I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

_____
Signature of Notary Public

Place Notary Seal Above

My Commission Expires: 10/12/2023

ELYSE NAN MENDELSON
Notary Public
COMMONWEALTH OF MASSACHUSETTS
My Commission Expires
October 12, 2023

For and on behalf of ASSIGNEE:

Date: 19 Sept 2018

By: _____
Name: OWEN B WALLACE
Title: CSO
Company: Fulcrum Therapeutics, Inc.

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of Massachusetts)
) ss.
County of Middlesex)

On 9/19/18, before me, Elyse Mendelson, Notary Public, personally appeared Owen Wallace, who proved to me on the basis of satisfactory evidence, to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. REQUIRED SENTENCE IF NOTARIZED IN CALIFORNIA: I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

_____
Signature of Notary Public

Place Notary Seal Above

My Commission Expires: 10/12/2023

ELYSE NAN MENDELSON
Notary Public
COMMONWEALTH OF MASSACHUSETTS
My Commission Expires
October 12, 2023

Attorney Docket No. FULC-026/01US 326242-2067

ASSIGNMENT

Owen Brendan WALLACE (referred to as "Assignor") has made an invention(s) (the "Invention(s)") set forth in an application for patent, entitled **P38 KINASE INHIBITORS REDUCE DUX4 AND DOWNSTREAM GENE EXPRESSION FOR THE TREATMENT OF FSHD**, and which is a:

(1) [x] provisional application
- (a) [ ] to be filed herewith; or
- (b) [x] bearing Application No. 62/682,565, and filed on June 8, 2018;

(2) [ ] non-provisional application
- (a) [ ] to be filed herewith; or
- (b) [ ] bearing Application No. , and filed on ;

and/or

(3) [ ] PCT application
- (a) [ ] bearing Application No. , and filed on .

and/or

(4) [ ] attached hereto.

WHEREAS, Fulcrum Therapeutics, Inc., having its principal place of business at 26 Landsdowne Street, Cambridge, MA 02139, its successors, legal representatives, and assigns (the "Assignee"), is desirous of acquiring the entire right, title, and interest in: the Invention(s); the application(s) for patent identified above; the right to file applications for patent of the United States or other countries on the Invention(s); any application(s) for patent of the United States or other countries claiming priority to, and/or the benefit of, these applications; any provisional or other right to recover any and all past, present, and future damages, including royalties, for any and all past, present, and future infringements of these application(s); and any and all patent(s) of the United States or other countries that may be granted therefor or thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, and to the extent that the Assignor has not done so already via a prior agreement with the Assignee or a predecessor in interest of the Assignee, or if the Assignor has already done so via a prior agreement with the Assignee or a predecessor in interest of the Assignee then in confirmation of any obligation to do so in said prior agreement, the Assignor has sold, assigned, transferred, and set over, and by these presents

does sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns, the Assignor's entire right, title, and interest in:

(a) the Invention(s);

(b) the application(s) for patent identified above;

(c) the right to file applications for patent of the United States or other countries on the Invention(s), including all rights under the Hague Convention, the Paris Convention for the Protection of Industrial Property, and under the Patent Cooperation Treaty, and all rights of claiming priority in any country of the world;

(d) any application(s) for patent of the United States or other countries claiming the Invention(s);

(e) any application(s) for patent of the United States or other countries claiming priority to, and/or the benefit of, at least one of the application(s) for patent identified above or any application(s) for patent claiming the Invention(s), including any priority application(s), substitute application(s), division(s), continuation(s), and continuation(s)-in-part;

(f) any provisional or other right to recover any and all past, present, and future damages, including royalties, for any and all past, present, and future infringements of any application for patent identified in the preceding paragraphs (b)-(e) and of any and all patent(s) granted based thereon in the United States and in all other countries; and

(g) any patent(s) of the United States or other countries that may be granted for or on any application for patent identified in the preceding paragraphs (b)-(e), including any reissue(s), reexamination(s), revival(s), renewal(s) and extension(s) of said patent(s).

The above-granted rights, titles, and interests are to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, as fully and entirely as the same would have been held and enjoyed by the Assignor had this sale and assignment not been made.

The Assignor hereby represents to the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, or if applicable, at such time said prior agreement was executed, the Assignor is the sole and lawful owner of the entire right, title, and interest in and to the Invention(s), that the Invention(s) are unencumbered, except, if applicable, by obligation to assign in accordance with said prior agreement, and that the Assignor has good and full right and lawful authority to sell and convey the same in the manner set forth herein, and that Assignor will not make or enter into any assignment, sale, agreement or encumbrance which would conflict with these presents.

The Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns, that the Assignor will sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done in connection with any and all proceedings for the procurement, maintenance, enforcement and defense of the Invention(s), said application(s), and said patent(s), including interference and derivation proceedings, and any post-grant proceedings (e.g., opposition proceedings, post-grant reviews, Inter partes reviews, supplemental examinations, etc.), without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns.

The Assignor hereby authorizes and requests the attorneys of COOLEY LLP to insert in the spaces provided above the filing date, the application number, and the attorney docket number of the application(s) identified above when known.

The Assignor hereby requests the Commissioner of Patents to issue said patents of the United States to the Assignee for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date: 4 October 2018 By: _____
Owen Brendan Wallace

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of Massachusetts)
) ss.
County of Middlesex)

On Oct 4, 2018, before me, Elyse Mendelson, Notary Public, personally appeared Owen Brendan Wallace, who proved to me on the basis of satisfactory evidence, to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. REQUIRED SENTENCE IF NOTARIZED IN CALIFORNIA: I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

_____
Signature of Notary Public

Place Notary Seal Above

My Commission Expires: Oct 12, 2023

ELYSE NAN MENDELSON
Notary Public
COMMONWEALTH OF MASSACHUSETTS
My Commission Expires
October 12, 2023

For and on behalf of ASSIGNEE:

Date: 10/4/18

By: Robert Gould

Name: Robert Gould
Title: CEO
Company: Fulcrum Therapeutics, Inc.

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of Massachusetts)
) ss.
County of Middlesex)

On Oct 4, 2018, before me, Elyse Mendelson, Notary Public, personally appeared Robert Gould, who proved to me on the basis of satisfactory evidence, to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. REQUIRED SENTENCE IF NOTARIZED IN CALIFORNIA: I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature of Notary Public

Place Notary Seal Above

My Commission Expires: Oct 12, 2023

ELYSE NAN MENDELSON
Notary Public
COMMONWEALTH OF MASSACHUSETTS
My Commission Expires
October 12, 2023