UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

NOVEMBER 18, 2024

PTAS

LAURA EAMES
IONIS PHARMACEUTICALS, INC.
2855 GAZELLE CT
CARLSBAD, CA 92010

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UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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BRIEF: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

DOCKET NUMBER: BIOL0470WO

ASSIGNOR:
MULLICK, ADAM DOC DATE: 10/21/2024

ASSIGNOR:
PRAKASH, THAZHA P. DOC DATE: 10/21/2024

ASSIGNOR:
SWAYZE, ERIC E. DOC DATE: 11/05/2024

ASSIGNEE:
IONIS PHARMACEUTICALS, INC.
2855 GAZELLE CT
CARLSBAD, CALIFORNIA 92010

APPLICATION NUMBER: FILING DATE: 09/13/2024
PATENT NUMBER: ISSUE DATE:
PCT NUMBER: US2446618
TITLE: COMPOUNDS AND METHODS FOR REDUCING APOCIII EXPRESSION

ASSIGNMENT RECORDATION BRANCH
PUBLIC RECORDS DIVISION

PATENT ASSIGNMENT COVER SHEET

Assignment ID: 636007

Electronic Version v1.1
Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Adam Mullick	10/21/2024
Thazha P. Prakash	10/21/2024
Eric E. Swayze	11/05/2024

RECEIVING PARTY DATA

Name:	Ionis Pharmaceuticals, Inc.
Street Address:	2855 Gazelle Ct
City:	Carlsbad
State/Country:	CALIFORNIA UNITED STATES
Postal Code:	92010

PROPERTY NUMBERS Total:1

Property Type	Number
PCT Number:	US2446618

CORRESPONDENCE DATA

Fax Number: 7606033820
Phone: 7606032553
Email: leames@ionisph.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: Laura Eames
Address Line 1: Ionis Pharmaceuticals, Inc.
Address Line 2: 2855 Gazelle Ct
Address Line 4: Carlsbad , CALIFORNIA 92010

ATTORNEY DOCKET NUMBER:	BIOL0470WO
NAME OF SUBMITTER:	Mrs. Laura Eames

Signature:	Mrs. Laura Eames
Date:	11/15/2024
TOTAL ATTACHMENTS: 1 source= BIOL0470WOASGN.tif	

ASSIGNMENT

WHEREAS, I/we, **Adam Mullick,** of **Carlsbad, CA, Thazha P. Prakash,** of **Carlsbad, CA,** and **Eric E. Swayze,** of **Encinitas, CA,** (the "assignors"), has/have invented a certain invention entitled **COMPOUNDS AND METHODS FOR REDUCING APOCIII EXPRESSION**, for which I/we have made an application for letters patent of the United States and foreign jurisdictions through the Patent Cooperation Treaty, said application having been filed **September 13, 2024,** and assigned application no. **PCT/US2024/046618** (the "Application"); and

WHEREAS, Ionis Pharmaceuticals, Inc. hereinafter referred to as the assignee, of 2855 Gazelle Court, Carlsbad CA, a corporation of Delaware, is desirous of acquiring my/our entire right, title and interest in and to the said invention and improvements therein (the "Invention") and in and to the said Application, and in, to and under any and all letters patent or patents which may be granted on or as a result thereof or otherwise relate to the Invention in any and all countries:

NOW, THEREFORE, for and in consideration of the sum of one dollar ($1.00) to each of us in hand paid by said assignee, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said assignors, have sold, assigned, transferred and set over, or by these presents do hereby sell, assign, transfer and set over to said assignee, the entire right, title and interest in and to said Invention and said Application (including the right to apply for any letters patent or patents for any countries in relation to the Invention and all priority rights) and any and all continuations, continuations-in-part, divisions, rights of priority under International Conventions including the Paris Convention, and renewals of and substitutes for said Application, and in, to and under any and all letters patent or patents which may be granted on or as a result thereof or otherwise relate to the Invention in the United States and any and all other countries, and any reissue or reissues or extension or extensions or supplementary protection certificates in relation to any of said letters patent or patents, and assign to and authorize said assignee to file in our names applications for letters patent or patents in all countries, the same to be held and enjoyed by said assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said letters patent or patents respectively may be granted, reissued, extended or supplemented, as fully and entirely as the same would have been held and enjoyed by

us had this assignment, sale and transfer not been made.

AND we hereby covenant that we have full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith, and we further covenant and agree that we will each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said Invention, said Application and said letters patent or patents to said assignee, its successors, assigns, nominees, or legal representatives, and each of us agrees to communicate to said assignee or to its nominee all known facts respecting said Invention, said Application and said letters patent or patents, to testify in any legal proceedings, to sign all lawful papers to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful oaths, and generally to do everything possible to aid said assignee, its successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit proper patent protection for said inventions or improvements in any and all countries.

AND we hereby sell, assign, transfer, and convey to assignee all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to said assignee, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of said letters patent or patents before or after issuance.

AND we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to said assignee, as assignee of the entire right, title and interest, any and all letters patent and patents for said Invention, including any and all letters patent of the United States which may be issued and granted on or as a result of the Application aforesaid, in accordance with the terms of this assignment.

DOCKET NO.: **BIOL0470WO**

IN WITNESS WHEREOF, we have hereunto set our hands and seals.

Dated: Oct 4 20 24

Adam Mullick

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 California)
) ss.
County of San Diego)

On October 21, 2024 before me, Laura L Eames, Notary Public, personally appeared **Adam Mullick**, who is 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.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

LAURA L. EAMES
Notary Public - California
San Diego County
Commission # 2484606
My Comm. Expires Apr 13, 2028

WITNESS my hand and official seal.

Signature of Notary

DOCKET NO.: **BIOL0470WO**

Dated: 10-21- 2024

Thazha P. Prakash

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 California)
) ss.
County of San Diego)

On October 21, 2024 before me, Laura L Eames, Notary Public, personally appeared **Thazha P. Prakash**, who is 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.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

LAURA L. EAMES
Notary Public - California
San Diego County
Commission # 2484606
My Comm. Expires Apr 13, 2028

WITNESS my hand and official seal.

Signature of Notary

DOCKET NO.: **BIOL0470WO**

Dated: 11/5 2024

Eric E. Swayze

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 California)
) ss.
County of San Diego)

On November 5, 2024 before me, Laura L Eames, Notary Public, personally appeared **Eric E. Swayze**, who is 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.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

LAURA L. EAMES
Notary Public - California
San Diego County
Commission # 2484606
My Comm. Expires Apr 13, 2028

WITNESS my hand and official seal.

Signature of Notary

DOCKET NO.: **BIOL0470WO**

IONIS PHARMACEUTICALS, INC.

By: _____ Dated: 11/12 2024

Name: **Clifford E. Ford**

Title: **Senior Vice President, Patents**

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 California)
) ss.
County of San Diego)

On November 12, 2024 before me, Laura L Eames, Notary Public, personally appeared **Clifford E. Ford**, who is 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.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

LAURA L. EAMES
Notary Public - California
San Diego County
Commission # 2484606
My Comm. Expires Apr 13, 2028

WITNESS my hand and official seal.

Signature of Notary