FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL

OMB Number: 3235-0287 Estimated average burden

0.5

hours per response:

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

| 1. Name and Address of Reporting Person* <u>Alexandria Venture Investments, LLC</u> | | | | | 2. Issuer Name and Ticker or Trading Symbol Xilio Therapeutics, Inc. [XLO] | | | | | | | | elationship of eck all applica Director | | Perso X | , | |
|---|---|--|---|-----------|--|-----|---|--|--------|--|--------------|-------------------------------------|--|--|------------|--|---|
| (Last) (First) (Middle) 26 NORTH EUCLID AVENUE | | | | | 3. Date of Earliest Transaction (Month/Day/Year) 10/26/2021 | | | | | | | | Officer (below) | give title | | Other (s below) | pecify |
| (Street) PASADENA CA 91101 (City) (State) (Zip) | | | | 4 | 4. If Amendment, Date of Original Filed (Month/Day/Year) | | | | | | | Line | Individual or Joint/Group Filing (Check Applicable ine) X Form filed by One Reporting Person Form filed by More than One Reporting Person | | | | |
| (City) | (3 | | (Zip) | | | | | | | | | | | | | | |
| | | Ta | able I - Non- | | | | | quired, | Dis | | <u> </u> | | | | | | |
| Date | | | | | e nth/Day/Year) | | Deemed cution Date, y nth/Day/Year | 3. Transaction Code (Instr. 8) | | 4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4 | | | 5. Amoun Securities Beneficial Owned Fo Reported | s Ily | Form: | Direct Indirect Itstr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
| | | | | | | | | Code | v | Amount | (A) o (D) | r Price | Transaction(s) (Instr. 3 and 4) | | | | msu. 4) |
| Common stock 10/26 | | | | | /2021 | | С | | 166,42 | 23 A | (1) | 166, | 423 | | D | | |
| | | | Table II - D | | | | ties Acqu varrants, | , | • | , | | • | Owned | | | | |
| 1. Title of Derivative Security (Instr. 3) | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date if any (Month/Day/Ye | Code (Ins | | | | 6. Date Exercisa Expiration Date (Month/Day/Year | | of Securities | | ties ig e Security | 8. Price of Derivative Security (Instr. 5) | 9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) | | 10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | Beneficial Ownership (Instr. 4) |
| | | | | Code | v | (A) | (D) | Date Exercisa | | Expiration Date | Title | Amount or Number of Shares | | (Instr. 4) | | | |
| Series B convertible | (1) | 10/20/2021 | | | | | 1 501 000 | (1) | | (1) | Common | 100 40 | (2) | | | D | |

Explanation of Responses:

(1)

1. Each share of preferred stock automatically converted into the Issuer's common stock at a ratio of 9.5 shares of preferred stock to 1 share of common stock upon closing of the Issuer's initial public offering on October 22, 2021, for no additional consideration. The shares had no expiration date.

(1)

1,581,026

Remarks:

preferred stock

> By: ALEXANDRIA REAL ESTATE EQUITIES, INC., a

166,423

(2)

Maryland corporation, managing member By: /s/ Dean

A. Shigenaga Chief Financial

Officer

(1)

** Signature of Reporting Person

Date

10/26/2021

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D

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

* If the form is filed by more than one reporting person, see Instruction 4 (b)(v).

10/26/2021

** Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.

^{2.} Not applicable