

OMB APPROVAL	
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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

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

1. Name and Address of Reporting Person* <u>Longitude Capital Partners IV, LLC</u> (Last) (First) (Middle) 2740 SAND HILL ROAD 2ND FLOOR (Street) MENLO PARK CA 94025 (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>Lexeo Therapeutics, Inc. [LXEO]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director <input checked="" type="checkbox"/> 10% Owner Officer (give title below) Other (specify below)
	3. Date of Earliest Transaction (Month/Day/Year) 11/07/2023	
	4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Individual or Joint/Group Filing (Check Applicable Line) Form filed by One Reporting Person <input checked="" type="checkbox"/> Form filed by More than One Reporting Person
	Rule 10b5-1(c) Transaction Indication <input type="checkbox"/> Check this box to indicate that a transaction was made pursuant to a contract, instruction or written plan that is intended to satisfy the affirmative defense conditions of Rule 10b5-1(c). See Instruction 10.	

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	11/07/2023		C		1,793,429	A	(1)	1,793,429	I	By Longitude Venture Partners IV, L.P. ⁽²⁾
Common Stock	11/07/2023		C		319,126	A	(3)	2,112,555	I	By Longitude Venture Partners IV, L.P. ⁽²⁾
Common Stock	11/07/2023		P		454,545	A	\$11	2,567,100	I	By Longitude Venture Partners IV, L.P. ⁽²⁾

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

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/Year)	4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Series A convertible preferred stock	(1)	11/07/2023		C		18,999,999		(1)	(1)	Common Stock	1,793,429	(1)	0	I	By Longitude Venture Partners IV, L.P. ⁽²⁾
Series B convertible preferred stock	(3)	11/07/2023		C		2,906,148		(3)	(3)	Common Stock	319,126	(3)	0	I	By Longitude Venture Partners IV, L.P. ⁽²⁾

1. Name and Address of Reporting Person* <u>Longitude Capital Partners IV, LLC</u> (Last) (First) (Middle) 2740 SAND HILL ROAD 2ND FLOOR (Street) MENLO PARK CA 94025 (City) (State) (Zip)
1. Name and Address of Reporting Person* <u>Longitude Venture Partners IV, L.P.</u> (Last) (First) (Middle) 2740 SAND HILL ROAD

2ND FLOOR

(Street)

MENLO PARK CA

(City) (State) (Zip)

1. Name and Address of Reporting Person*

Tammenoms Bakker Juliet

(Last) (First) (Middle)

C/O LONGITUDE CAPITAL
2740 SAND HILL ROAD, 2ND FLOOR

(Street)

MENLO PARK CA 94025

(City) (State) (Zip)

1. Name and Address of Reporting Person*

ENRIGHT PATRICK G

(Last) (First) (Middle)

C/O LONGITUDE CAPITAL
2740 SAND HILL ROAD, 2ND FLOOR

(Street)

MENLO PARK CA 94025

(City) (State) (Zip)

Explanation of Responses:

1. Upon the closing of the Issuer's initial public offering, each share of Series A convertible preferred stock automatically converted into shares of the Issuer's common stock on a one-for-10.594230 basis. The shares had no expiration date.

2. These shares are held by Longitude Venture Partners IV, L.P ("LVP IV"). Longitude Capital Partners IV, LLC ("LCP IV") is the general partner of LVP IV and may be deemed to have voting and dispositive power over the shares held by LVP IV. Mr. Enright and Ms. Tammenoms Bakker are managing members of LCP IV and may be deemed to share voting and dispositive power with respect to the shares held by LVP IV. Each of LCP IV, Mr. Enright and Ms. Tammenoms Bakker disclaims beneficial ownership of such shares and this report shall not be deemed an admission that any of them is the beneficial owner of such securities for purposes of Section 16 or for any other purpose, except to the extent of their respective pecuniary interests therein.

3. Upon the closing of the Issuer's initial public offering, each share of Series B convertible preferred stock automatically converted into shares of the Issuer's common stock on a one-for-9.106601 basis, which reflects an anti-dilution adjustment to the conversion ratio pursuant to a provision of the Series B convertible preferred stock based on the pricing of the initial public offering (as described in the Reporting Person's Form 3). The shares had no expiration date.

Remarks:

<u>Longitude Capital Partners IV, LLC By: /s/ Cristiana Blauth Oliveira, Authorized Signatory.</u>	<u>11/09/2023</u>
<u>Longitude Venture Partners IV, L.P. By: /s/ Cristiana Blauth Oliveira, Authorized Signatory of the General Partner</u>	<u>11/09/2023</u>
<u>/s/ Cristiana Blauth Oliveira, Attorney-in-Fact for Juliet Tammenoms Bakker</u>	<u>11/09/2023</u>
<u>/s/ Cristiana Blauth Oliveira, Attorney-in-Fact for Patrick Enright</u>	<u>11/09/2023</u>

** Signature of Reporting Person Date

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).

** 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.