

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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

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 to indicate that a transaction was made pursuant to a contract, instruction or written plan for the purchase or sale of equity securities of the issuer that is intended to satisfy the affirmative defense conditions of Rule 10b5-1(c). See Instruction 10.

1. Name and Address of Reporting Person* <u>New Enterprise Associates 14, L.P.</u> (Last) (First) (Middle) <u>1954 GREENSPRING DRIVE</u> <u>SUITE 600</u> (Street) <u>TIMONIUM MD 21093</u> (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>SYNLOGIC, INC. [SYBX]</u> Foreign Trading Symbol	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) ☒ Director ☒ 10% Owner Officer (give title below) Other (specify below)
	3. Date of Earliest Transaction (Month/Day/Year) <u>07/27/2026</u>	
	4. If Amendment, Date of Original Filed (Month/Day/Year)	

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			

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				
Warrants (Right to Buy)	\$3.408	07/27/2026		H			2,640,845	(1)	10/03/2028	Common Stock	2,640,845	(2)	0	D ⁽³⁾	
Warrants (Right to Buy)	\$0.7	07/27/2026		P		2,640,845		(1)	10/03/2028	Common Stock	2,640,845	(2)	2,640,845	D ⁽³⁾	

1. Name and Address of Reporting Person* <u>New Enterprise Associates 14, L.P.</u> (Last) (First) (Middle) <u>1954 GREENSPRING DRIVE</u> <u>SUITE 600</u> (Street) <u>TIMONIUM MD 21093</u> (City) (State) (Zip)
1. Name and Address of Reporting Person* <u>NEA Partners 14, L.P.</u> (Last) (First) (Middle) <u>1954 GREENSPRING DRIVE</u> <u>SUITE 600</u> (Street) <u>TIMONIUM MD 21093</u> (City) (State) (Zip)
1. Name and Address of Reporting Person* <u>NEA 14 GP, LTD</u> (Last) (First) (Middle) <u>1954 GREENSPRING DRIVE</u> <u>SUITE 600</u> (Street) <u>TIMONIUM MD 21093</u> (City) (State) (Zip)

(City)	(State)	(Zip)
1. Name and Address of Reporting Person*		
Florence Anthony A. Jr.		
(Last)	(First)	(Middle)
104 5TH AVE		
19TH FLOOR		
(Street)		
NEW YORK	NY	10011
(City)	(State)	(Zip)
1. Name and Address of Reporting Person*		
SANDELL SCOTT D		
(Last)	(First)	(Middle)
1954 GREENSPRING DRIVE		
SUITE 600		
(Street)		
TIMONIUM	MD	21093
(City)	(State)	(Zip)
1. Name and Address of Reporting Person*		
Makhzoumi Mohamad		
(Last)	(First)	(Middle)
2855 SAND HILL ROAD		
(Street)		
MENLO PARK	CA	94025
(City)	(State)	(Zip)

Explanation of Responses:

1. The warrants were immediately exercisable; provided, however, that the warrants carry a limitation on exercise preventing exercise if such exercise results in New Enterprise Associates 14, L.P. ("NEA 14") beneficially owning in excess of 4.99% (or, at the election of NEA 14, 9.99%) of the number of shares of the Issuer's Common Stock, which percentage can be increased or decreased at the option of NEA 14 upon 61 days' prior notice.
2. The two transactions reported in Table II above involved the amendment of an outstanding warrant to reduce the exercise price from \$3.408 a share to \$0.70 a share. The amendment is reported above as the cancellation of the old warrant and the acquisition of a new one.
3. The securities are directly held by NEA 14 and are indirectly held by NEA Partners 14, L.P. ("NEA Partners 14"), the sole general partner of NEA 14, NEA 14 GP, LTD ("NEA 14 LTD"), the sole general partner of NEA Partners 14, and the members of the Executive Committee (the "Executive Committee") of NEA Management Company, LLC (NEA Partners 14, NEA 14 LTD and the members of the Executive Committee together, the "Indirect Reporting Persons"). The members of the Executive Committee are Anthony A. Florence, Jr., Mohamad H. Makhzoumi, and Scott D. Sandell. The Indirect Reporting Persons disclaim beneficial ownership within the meaning of Section 16 of the Securities Exchange Act of 1934, as amended, or otherwise of such portion of the securities held by NEA 14 in which the Indirect Reporting Persons have no pecuniary interest.

[/s/ Zachary Bambach, attorney-in-fact](#) [08/14/2026](#)

** 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.