FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

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

OMB APPROVAL 3235-0287 Estimated average burden hours per response: 0.5

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

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1. Name and ORBIM		2. Issuer Name and Ticker or Trading Symbol SYNLOGIC, INC. [SYBX]									Relationship of Reporting Person (Check all applicable) X Director			1	10% Owner					
(Last) (First) (Middle) 601 LEXINGTON AVENUE					3. Date of Earliest Transaction (Month/Day/Year) 04/20/2021									Officer (give title Other (specify below)					pecity	
54TH FLOOR						4. If Amendment, Date of Original Filed (Month/Day/Year)									6. Individual or Joint/Group Filing (Check Applicable					
(Street) NEW YORK NY 10022-4629														Line) Form filed by One Reporting Person X Form filed by More than One Reporting Person						
(City) (State) (Zip)																				
		Table	I - Non-Deriva	ative	Secu	uritie	s A	cquir	ed, I	Di	sposed o	f, or E	Benefic	ially Own	ed					
1. Title of Security (Instr. 3) 2. Transaction Date (Month/Day/Year				ear) if	2A. Deemed Execution Date, if any (Month/Day/Year)			3. Transaction Code (Instr. 8)		0	4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 an 5)			5. Amount of Securities Beneficially Owned Following Reported		6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership (Instr. 4)		
								Code	v	A	Amount	(A) or (D)	Price	Transaction(s) (Instr. 3 and 4)		(111501. 4)		(mau. 4)		
Common Stock, \$0.001 par value 04/20/2021								A		1	1,666,666	A	\$3 ⁽¹⁾	3,696,662		I		See Footnotes ⁽²⁾⁽³⁾		
		Tal	ole II - Derivat (e.g., pı								posed of, convertil				d					
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)		Transaction Code (Instr.		5. Numb of Derivativ Securitie Acquired (A) or Dispose of (D) (Instr. 3, and 5)		Expiratio (Month/D			7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	deriva Secui Benet Owne Follow Report	rities ficially ed wing rted action(s)	Form Direct or Inc		11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code	v	(A) (D		Date) Exercisal		ıble	Expiration Date	Title	Amount or Number of Shares							
		Reporting Person* /ISORS LLC	1																	
(Last)	INGTON A	(First)	(Middle)																	

(Last) (First) **601 LEXINGTON AVENUE**

1. Name and Address of Reporting Person* OrbiMed Capital GP VI LLC

(Middle)

NY

(State)

54TH FLOOR

54TH FLOOR

(Street) **NEW YORK**

(City)

(Street)

NEW YORK NY 10022

(City) (State) (Zip)

Explanation of Responses:

1. These shares of the Issuer's common stock were sold in an underwritten public offering at a price of \$3.00 per share.

10022-4629

(Zip)

- 2. These shares of the Issuer's common stock are held of record by OrbiMed Private Investments VI, LP ("OPI VI"). OrbiMed Capital GP VI LLC ("GP VI") is the general partner of OPI VI, and OrbiMed Advisors LLC ("OrbiMed Advisors"), a registered investment adviser under the Investment Advisors Act of 1940, as amended, is the managing member of GP VI. By virtue of such relationships, GP VI and OrbiMed Advisors may be deemed to have voting and investment power with respect to the securities held by OPI VI noted above and as a result may be deemed to beneficially own such securities for purposes of Rule 13d-3 under the Securities Exchange Act of 1934, as amended (the "Exchange Act"). OrbiMed Advisors exercises this investment and voting power through a management committee comprised of Carl L. Gordon, Sven H. Borho, and Jonathan T. Silverstein, each of whom disclaims beneficial ownership of the Shares held by OPI VI.
- 3. This report on Form 4 is jointly filed by GP VI and OrbiMed Advisors. Each of the Reporting Persons disclaims beneficial ownership of the securities reported herein for purposes of Rule 16a-1(a)

under the Exchange Act, except to the extent of its pecuniary interest therein, if any. The Reporting Persons have designated a representative, currently Chau Khuong ("Khuong"), an employee of OrbiMed Advisors, to serve on the Issuer's board of directors. This report shall not be deemed an admission that any of the Reporting Persons or Khuong is a beneficial owner of such securities for the purposes of Section 16 of the Exchange Act, or for any other purposes.

/s/ Douglas Coon, Chief
Compliance Officer, OrbiMed 04/22/2021
Advisors LLC
/s/ Douglas Coon, Chief
Compliance Officer, OrbiMed 04/22/2021
Capital GP VI LLC

Date

** Signature of Reporting Person

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.