

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

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

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 OF SECURITIES

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

(Print or Type Responses)

1. Name and Address of Reporting Person * ARCH Venture Fund VII, L.P.		2. Issuer Name and Ticker or Trading Symbol Syros Pharmaceuticals, Inc. [SYRS]		5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director <input type="checkbox"/> 10% Owner <input checked="" type="checkbox"/> Officer (give title below) _____ Other (specify below) _____	
(Last) 8755 WEST HIGGINS ROAD, SUITE 1025,	(First) CHICAGO, IL 60631	(Middle) CHICAGO, IL 60631	3. Date of Earliest Transaction (Month/Day/Year) 03/07/2019		6. Individual or Joint/Group Filing (Check Applicable Line) <input type="checkbox"/> Form filed by One Reporting Person <input checked="" type="checkbox"/> Form filed by More than One Reporting Person
(Street)	(City)	(State)	(Zip)	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	03/07/2019		S		35,209	D	\$ 6.8736 (1)	4,601,928	D (4) (5)	
Common Stock	03/08/2019		S		84,496	D	\$ 6.9266 (2)	4,517,432	D (4) (5)	
Common Stock	03/11/2019		S		44,878	D	\$ 6.4924 (3)	4,472,554	D (4) (5)	

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

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SEC 1474 (9-02)

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 Underlying Securities (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 of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
						Date Exercisable	Expiration Date					
				Code	V	(A)	(D)	Title	Amount or Number of Shares			

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
ARCH Venture Fund VII, L.P. 8755 WEST HIGGINS ROAD, SUITE 1025 CHICAGO, IL 60631		X		
ARCH Venture Partners VII, L.P. 8755 WEST HIGGINS ROAD, SUITE 1025 CHICAGO, IL 60631		X		
ARCH Venture Partners VII, LLC 8755 WEST HIGGINS ROAD, SUITE 1025 CHICAGO, IL 60631		X		
CRANDELL KEITH C/O ARCH VENTURE FUND VII 8755 WEST HIGGINS ROAD, SUITE 1025 CHICAGO, IL 60631		X		

BYBEE CLINTON C/O ARCH VENTURE FUND VII 8755 WEST HIGGINS ROAD, SUITE 1025 CHICAGO, IL 60631		X		
NELSEN ROBERT C/O ARCH VENTURE FUND VII 8755 WEST HIGGINS ROAD, SUITE 1025 CHICAGO, IL 60631		X		

Signatures

/s/ Mark McDonnell as Attorney-in-Fact for Keith Crandell, as Managing Director of the general partner of the general partner of ARCH Venture Fund VII, L.P.		03/11/2019
**Signature of Reporting Person		Date
/s/ Mark McDonnell as Attorney-in-Fact for Keith Crandell, as Managing Director of the general partner ARCH Venture Partners VII, L.P.		03/11/2019
**Signature of Reporting Person		Date
/s/ Mark McDonnell as Attorney-in-Fact for Keith Crandell, as Managing Director of ARCH Venture Partners VII, LLC		03/11/2019
**Signature of Reporting Person		Date
/s/ Mark McDonnell as Attorney-in-Fact for Keith Crandell		03/11/2019
**Signature of Reporting Person		Date
/s/ Mark McDonnell as Attorney-in-Fact for Clinton Bybee		03/11/2019
**Signature of Reporting Person		Date
/s/ Mark McDonnell as Attorney-in-Fact for Robert Nelson		03/11/2019
**Signature of Reporting Person		Date

Explanation of Responses:

* 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).

(1) Reflects aggregation of stock sales within the range of \$6.66 to \$7.00. ARCH Venture Fund VII, L.P. ("ARCH Fund VII") can provide detailed support upon request.

(2) Reflects aggregation of stock sales within the range of \$6.50 to \$7.17. ARCH Fund VII can provide detailed support upon request.

(3) Reflects aggregation of stock sales within the range of \$6.23 to \$6.63. ARCH Fund VII can provide detailed support upon request.

(4) Beneficial ownership consists of 4,472,554 shares of common stock held by ARCH Fund VII. The sole general partner of ARCH Fund VII is ARCH Venture Partners VII, L.P. ("ARCH Partners VII"), which may be deemed to be the beneficial owner of the shares held by ARCH Fund VII. The sole general partner of ARCH Partners VII is ARCH Venture Partners VII, LLC ("ARCH VII LLC"), which may be deemed to be the beneficial owner of the shares held by ARCH Fund VII. ARCH Partners VII and ARCH VII LLC disclaim beneficial ownership of such shares, except to the extent of any pecuniary interest therein.

(5) The managing directors of ARCH VII LLC are Keith Crandell, Clinton Bybee and Robert Nelson, and they may be deemed to beneficially own the shares held by and ARCH Fund VII. Messrs. Crandell, Bybee and Nelson disclaim beneficial ownership of such shares, except to the extent of any pecuniary interest therein.

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

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