FORM 4

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

| OMB APPRO | OVAL |
|---------------------|-----------|
| OMB Number: | 3235-0287 |
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| nours per response | 0.5 |

07/06/2016

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

| * | | | | | | | | | | | | | |
|---|---|--|--|---|--|--|--|--|--|---|--|--|--|
| erson – L.P. | Issuer Name and Ticker or Trading Symbol Syros Pharmaceuticals, Inc. [SYRS] | | | | | | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) | | | | | | |
| (Middle) | 3. Date of Earliest Transaction (Month/Day/Year) 07/06/2016 | | | | | | DirectorX10% OwnerOfficer (give title below)Other (specify below) | | | | | | |
| | 4. If Amendment, Date Original Filed(Month/Day/Year) | | | | | | 6. Individual or Joint/Group Filing(Check Applicable Line) X. Form filed by One Reporting Person Form filed by More than One Reporting Person | | | | | | |
| (Zip) | | | Table I - N | on-Derivat | ve Securitie | s Acquire | d, Disposed | of, or Bene | eficially Own | ed | | | |
| 2. Transaction Date (Month/Day/Year | 2A. Deemed Execution Date, if ar) | | 2A. Deemed Execution Date, if Code (Instr. 8) | | 3. Transactif Code (Instr. 8) | 4. Securities Acqu (A) or Disposed o (Instr. 3, 4 and 5) | | uired 5. of (D) Or Tr | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | | | Ownership of Corm: EDirect (D) or Indirect (I) | 7. Nature of Indirect Beneficial Ownership Instr. 4) |
| 07/06/2016 | | | С | 423 | ,805 A | <u>(1)</u> 42 | 23,805 | | I |) | | | |
| | | s, calls, | rities Acquiro warrants, op | ed, Dispose tions, conv | d of, or Ben ertible secur | eficially O | wned | | | f 10. | 11. Natu | | |
| on 3A. Deemed Execution Date, if any | 4. 5. Nur Transaction Deriva Code Securi r) (Instr. 8) Acqui Dispos | | Number of rivative curities quired (A) or sposed of (D) | abber of tive and Expiration (Month/Day/Yoursed of (D) | | 7. Title ar of Underl Securities | erlying Derivative ies Security | | Derivative Securities Beneficially Owned | Ownershi Form of Derivativ Security: | (Instr. 4) | | |
| | Code | 5) | | Date Exercisabl | Expiration e Date | Title | Amount or Number of Shares | | Reported | | it | | |
| 016 | С | | 1,589,269 | <u>(1)</u> | (1) | Common Stock | 423,805 | \$ 0 | 0 | D | | | |
| | | | | | | | | | | | | | |
| ess Relati | | icer O | her | | | | | | | | | | |
| | (Zip) 2. Transaction Date (Month/Day/Year) 07/06/2016 for each class of securities Table II - on 3A. Deemed Execution Date, if any (Month/Day/Year) 016 | (Middle) 3. Date o 07/06/20 4. If Ame 2. Transaction Date (Month/Day/Year) 07/06/2016 Table II - Derivativ (e.g., put) On SA. Deemed Execution Date, if any (Month/Day/Year) (Month/Day/Year) Code O16 Relationships | (Middle) 3. Date of Earlies 07/06/2016 4. If Amendment (Zip) 2. Transaction Date (Month/Day/Year) 07/06/2016 2. Transaction Date (Month/Day/Year) 07/06/2016 Table II - Derivative Securities beneficially own (e.g., puts, calls, on any (Month/Day/Year)) 3. Date of Earlies 07/06/2016 Execution Date, any (Month/Day/Year) Table II - Derivative Securities (e.g., puts, calls, on District of Code (Instr. 8) Acc District of Code (Instr. 8) A | (Middle) 3. Date of Earliest Transaction 07/06/2016 4. If Amendment, Date Original 2. Transaction Date (Month/Day/Year) Code 07/06/2016 C Table II - Derivative Securities Acquire (e.g., puts, calls, warrants, opening any (Month/Day/Year) 3. Transaction Code (Instr. 8) Code Trable II - Derivative Securities Acquire (e.g., puts, calls, warrants, opening any (Month/Day/Year) (Month/Day/Year) (Month/Day/Year) (Instr. 8) Code (Instr. 8) Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) Code Code V (A) (D) Relationships | (Middle) 3. Date of Earliest Transaction (Month/Da 07/06/2016 4. If Amendment, Date Original Filed(Month/Day/Year) 2. Transaction Date (Month/Day/Year) 2. Transaction Execution Date, if (Month/Day/Year) 2. Transaction Date (Month/Day/Year) 2. Transaction Execution Date, if (Month/Day/Year) 2. Transaction Date, if (Month/Day/Year) 3. Date Execution Date, if (Month/Day/Year) 4. So Code V Am Code (Instr. 8) 3. Date Execution Date, if (Instr. 8) 4. So Number of (Month/Day/Year) 4. So Number of (Instr. 8) 5. Number of (Month/Day/Year) 6. Date Execution Date, if (Mo | 3. Date of Earliest Transaction (Month/Day/Year) 07/06/2016 4. If Amendment, Date Original Filed(Month/Day/Year) 2. Transaction Date (Month/Day/Year) 2. Transaction Date (Month/Day/Year) 2. Transaction Date (Month/Day/Year) 2. Transaction Date (Month/Day/Year) 3. Transaction (A) or Disposed (Instr. 8) (Instr. 3, 4 and 5) (A) or Disposed (Instr. 8) (A) or Disposed (Instr. 8) (A) or Disposed (Instr. 8) (B) Or Date (A) or Disposed of (B) (Instr. 8) (Code (Instr. 8) (Instr. 3, 4 and 5) (Code (Instr. 8) (Instr. 8) (Instr. 3, 4 and 5) (Code (Instr. 8) (Instr. 8) (Instr. 3, 4 and 5) (Code (Instr. 8) (Instr. 8) (Instr. 8) (Code (Instr. 8) (Instr. 8) (Instr. 8) (Instr. 8) (Instr. 8) (Code (Instr. 8) (Inst | Securities Sec | Code V Amount (A) or Code V Amount (D) Price Contained in this form are not required form displays a currently valid OMB complete (e.g., puts, calls, warrants, options, convertible securities) Table II - Derivative Securities Acquired (Instr. 8) Code Code (Instr. 8) Code Code (Instr. 8) Code (Instr. 8) Code (Instr. 3) Code (Instr. 3) | 3. Date of Earliest Transaction (Month/Day/Year) 1100 3. Transaction (Month/Day/Year) 1100 110 | A | (Middle) 3. Date of Earliest Transaction (Month/Day/Year) (Zip) Table 1 - Non-Derivative Securities Acquired Date Execution Date, if (Month/Day/Year) O7/06/2016 2. Transaction Date Execution Date, if (Month/Day/Year) O7/06/2016 Code V Amount (D) Price 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 control number. Table II - Derivative Securities Acquired, Disposed of (D) (Instr. 4) O7/06/2016 Table II - Derivative Securities Acquired, Disposed of (D) (Instr. 4) O7/06/2016 Table II - Derivative Securities Acquired, Disposed of (D) (Instr. 4) O7/06/2016 Table II - Derivative Securities Acquired, Disposed of (D) (Instr. 4) O7/06/2016 Table II - Derivative Securities Acquired, Disposed of (D) (Instr. 4) Or Indirect (D) (Instr. 4) Or Indirect (D) (Instr. 5) Or Indirect (D) (Instr. 4) Or Indirect (D) (Instr. 5) Or Indirect (D) (Instr. 4) Or Indirect (D) (Instr. 4) Or Indirect (D) (Instr. 5) Or Indirect (D) (Instr. 4) Or Indirect (D) (Instr. 5) Or Indirect (D) (Instr. 4) Or Indirect (D) (Instr. 4) Or Indirect (D) (Instr. 5) Or Indirect (D) (Instr. 4) Or Indirect (D) (Instr. 5) Or Indirect (D) (Instr. 4) Or Indirect (D) (Instr. 4) Or Indirect (D) (Instr. 4) Or Indirect (D) (Instr. 5) Or Indirect | | |

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).

WuXi Healthcare Ventures II, L.P. By: Wuxi Healthcare Management, LLC By: /s/ Jin Wang Name: Jin Wang Title: VP of Finance

Signature of Reporting Person

The Series B Preferred Stock converted into Common Stock on a 3.75-for-one basis upon the closing of the Issuer's initial public offering without payment of consideration. The Series B Preferred Stock was convertible at any time at the holder's election and automatically upon the closing of the Issuer's initial public offering. The shares had no expiration date.

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

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