## FORM 4

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

| OMB APPE           | ROVAL     |
|--------------------|-----------|
| 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

|  |   | s)   |   |  |   |   |                                  |  |   |   |   |                                 |  |   |  |
|--|---|--|---|--|---|---|----------------------------------|--|---|---|---|---------------------------------|--|---|--|
| 1. Name and Address of Reporting Person* Young Richard A |   |  | 2. Issuer Name and Ticker or Trading Symbol<br>Syros Pharmaceuticals, Inc. [SYRS] |  |   |   |                                  |  |   | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) X_ Director 10% Owner |   |                                 |  |   |  |
|  | OS PHAF   | (First)<br>RMACEUTICAI<br>RK DRIVE         |   |  | Date of Earliest Transaction (Month/Day/Year) 6/08/2021 |   |                                  |  |   | -   | Officer (giv  | e title below)                  | Oth  | er (specify belo  | w)   |
| (Street) CAMBRIDGE, MA 02140                             |   |  |   | 4. If Amendment, Date Original Filed(Month/Day/Year) |   |   |                                  |  |   |   | 6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting PersonForm filed by More than One Reporting Person |                                 |  |   |  |
| (Cit   | y)  | (State)                                    | (Zip)   |  |   | Ta  | ble I                            | - Non-Deriv  | vative Securitie  | s Acquir  | ed, Disposed  | of, or Bene                     | ficially Own   | ed  |  |
| 1.Title of S (Instr. 3)                                  | ecurity   |  | 2. Transaction<br>Date<br>(Month/Day/Year)  | 2A. Dec<br>Execution any<br>(Month)                  | on Da   | te, if (  |                                  | 8) (A  | Securities Acq<br>A) or Disposed onstr. 3, 4 and 5)<br>(A) or<br>mount (D)              | of (D) O  | O) Owned Following Reported Transaction(s) Following (Instr. 3 and 4) Or  |                                 | Ownership<br>Form:<br>Direct (D)   | 7. Nature<br>of Indirect<br>Beneficial<br>Ownership<br>(Instr. 4)             |  |
|  |   |  |   |  |   |   |                                  | in this f  | s who respon<br>orm are not r   | equired   | to respond  | unless the                      |  | ed SEC  | 1474 (9-02)  |
|  |   |  | Table II -  |  |   |   |                                  | in this f<br>display<br>aired, Dispo   | orm are not r<br>s a currently<br>sed of, or Bend                                       | equired<br>valid OM<br>eficially C  | to respond<br>IB control r  | unless the                      |  | ed SEC  | 1474 (9-02)  |
| 1. Title of<br>Derivative<br>Security<br>(Instr. 3)      | 2.<br>Conversion<br>or Exercise<br>Price of<br>Derivative<br>Security | 3. Transaction<br>Date<br>(Month/Day/Year) | 3A. Deemed<br>Execution Date, if  | 4.<br>Transac<br>Code                                | tion 5<br>c S<br>s S                                    | Is, warn<br>5. Numb<br>of Derive<br>Securities<br>Acquired<br>or Dispo<br>of (D)<br>Instr. 3, | er<br>ative<br>es<br>d (A)       | in this f<br>display<br>uired, Dispo<br>options, co                                | orm are not rest a currently sed of, or Bendenvertible securicisable and Date           | equired valid ON eficially Control  | to respond  B control r  Owned  and Amount rlying es  | unless the<br>number.           | 9. Number of Derivative Securities Beneficially Owned Following Reported | f 10.<br>Ownersi<br>Form of<br>Derivati<br>Security<br>Direct (l<br>or Indire | 11. Nature of Indirection of Ownersh (Instr. 4)              |
| Derivative<br>Security                                   | Conversion<br>or Exercise<br>Price of<br>Derivative                   | Date                                       | 3A. Deemed<br>Execution Date, if<br>any   | 4.<br>Transac<br>Code                                | tion 5<br>c S<br>s S                                    | Is, warn<br>b. Numb<br>of Derive<br>Securities<br>Acquired<br>or Dispo<br>of (D)              | rants, per ative es d (A) sed 4, | in this f<br>display<br>nired, Dispo<br>options, co<br>6. Date Exe<br>Expiration 1 | orm are not rest a currently assed of, or Bendonvertible securicisable and Date //Year) | equired valid ON eficially Cities)  7. Title a of Under Securities                            | to respond  B control r  Owned  and Amount rlying es  | 8. Price of Derivative Security | 9. Number of Derivative Securities Beneficially Owned Following          | f 10.<br>Ownersi<br>Form of<br>Derivati<br>Security<br>Direct (l<br>or Indire | 11. Natur<br>of Indire<br>Beneficia<br>Ownersh<br>(Instr. 4) |

### **Reporting Owners**

|   | Relationships |              |         |       |  |
|---|---------------|--------------|---------|-------|--|
| Reporting Owner Name / Address  | Director      | 10%<br>Owner | Officer | Other |  |
| Young Richard A<br>C/O SYROS PHARMACEUTICALS, INC.<br>35 CAMBRIDGEPARK DRIVE<br>CAMBRIDGE, MA 02140 | X             |              |         |       |  |

## **Signatures**

| /s/ Gerald E. Quirk, as attorney-in-fact | 06/10/2021 |
|--|------------|
| 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) The option becomes exercisable as to 50% of the shares underlying the award on the six month anniversary of the date of grant, with the remainder vesting in equal monthly installments until the first anniversary of the date of grant, subject to the reporting person's continued service as a director through each applicable vesting date.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, 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.