FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington D.C. 20549

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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 OMB Number: Estimated average burden 0.5 hours per response:

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

| 1. Name and Address of Reporting Person* Hirsch Andrew (Last) (First) (Middle) C/O AGIOS PHARMACEUTICALS INC. 88 SIDNEY STREET | | | | | | AGIOS PHARMACEUTICALS, INC. [AGIO] 3. Date of Earliest Transaction (Month/Day/Year) 04/22/2020 | | | | | | | | | | eck all appli Direct X Office below | cable) or r (give title) Chief Fina | ncial | | ner pecify |
|--|--|--|---|-------|---|---|--------|---|---------------|--|--|------------------|----------------------|---|------------------------------|---|--|----------------|--|---------------------------------------|
| (Street) CAMBR (City) | | | 02139 (Zip) | | - | 4. If Amendment, Date of Original Filed (Month/Day/Year) | | | | | | | , | Line | E) X Form Form | ividual or Joint/Group Filing (Check Applicable Form filed by One Reporting Person Form filed by More than One Reporting Person | | | | |
| | Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned | | | | | | | | | | | | | | | | | | | |
| 1. Title of Security (Instr. 3) 2. Tran | | | | | 2A. Deemed Execution Date, if any (Month/Day/Year) | | | 3. 4. Securities Acquire Disposed Of (D) (Ins Code (Instr. 5) | | | | | Benefic | unt of 6. 0 For ially (D) Following (I) (| | n: Direct or Indirect nstr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) | | | |
| | | | | | | Co | ode \ | V | Amount | ınt (A) | | Price | Transac (Instr. 3 | tion(s) | | | (| | | |
| Common stock 04/22 | | | | | 2/2020 | /2020 | | | N | М | | 5,893 | | A | (1) | 26 | 26,199 | | D | |
| Common | stock | | 04/22/2020 F 1,927 D \$45.91 24,272 I | | | | | | D | | | | | | | | | | | |
| | 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. Deemec Execution E if any (Month/Day | Date, | 4. Transa Code (8) | | ı of I | | Expira | 6. Date Exercisable and Expiration Date (Month/Day/Year) | | | | r. 3 and | Security 4) | 8. Price of Derivative Security (Instr. 5) | 9. Numbe derivative Securities Beneficial Owned Following Reported Transactie (Instr. 4) | e S Illy | 10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | Beneficial Ownership (Instr. 4) |
| | | | | | Code | v | (A) | (D) | Date Exerc | cisable | | xpiration ate | Title | 1 | or Number of Shares | | | | | |
| Restricted | (1) | 04/22/2020 | | | M | | | 5,893 | (| (2) | | (2) | Comi | mon | 5,893 | \$ 0 | 11,785 | 5 | D | |

Explanation of Responses:

- 1. Each restricted stock unit represents a contingent right to receive one share of the issuer's common stock.
- 2. The restricted stock units were granted on April 22, 2019. Beginning on April 22, 2020, the shares underlying the restricted stock units will vest in three equal annual installments. Vested shares will be delivered to the reporting person within three business days after such shares become vested.

Remarks:

/s/ William Cook as attorneyin-fact for Andrew Hirsch

04/24/2020

** 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.