FORM 3

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

## INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

| OMB APPROVAL             |           |  |  |  |  |  |  |
|--------------------------|-----------|--|--|--|--|--|--|
| OMB Number:              | 3235-0104 |  |  |  |  |  |  |
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| 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

| 1. Name and Address of Reporting Person*  Gheuens Sarah  (Last) (First) (Middle)  88 SIDNEY STREET  (Street)  CAMBRIDGE MA 02139 |           |       | Stateme   | Date of Event Requiring tement (Month/Day/Year) /01/2021 |  | 3. Issuer Name and Ticker or Trading Symbol AGIOS PHARMACEUTICALS, INC. [ AGIO ]                   |  |                                    |  |  |  |
|--|-----------|-------|---|--|--|--|--|------------------------------------|--|--|--|
|  |           |       |   |  |  | Relationship of Reporting Person(s) to Issuer<br>(Check all applicable)     Director     10% Owner |  |                                    | If Amendment, Date of Original Filed (Month/Day/Year)     Individual or Joint/Group Filing (Check Applicable Line) |  |  |
|  |           |       |   |  |  | X Officer (give title below)  Chief Medical Off  | Other (specify below) Officer                      |                                    | X Form filed by One Reporting Person Form filed by More than One Reporting Person                                  |  |  |
| (City)   | (State)   | (Zip) |   |  |  |  |  |                                    |  |  |  |
|  |           |       |   | Table I -  | Non-Deri   | vative Securities Beneficially Own   | ned  |                                    |  |  |  |
| 1. Title of Security (Instr. 4)  |           |       |   | 2. Amount of Securities Beneficially<br>Owned (Instr. 4) | 3. Ownership Fo<br>Direct (D) or Ind<br>(Instr. 5) | orm: 4. f  | Nature of Indirect Beneficial Ownership (Instr. 5) |                                    |  |  |  |
| Common stock   |           |       |   |  | 3,462  | D  |  |                                    |  |  |  |
|  |           |       |   |  |  | ntive Securities Beneficially Owne<br>arrants, options, convertible secu                           |  |                                    |  |  |  |
| 1. Title of Derivative Security (Instr. 4)   |           |       | 2. Date Exercisable an<br>Expiration Date<br>(Month/Day/Year) |  | Security (Instr. 4)                                |  | 4.<br>Conversion<br>or Exercise                    | or Indirect (I)                    | 6. Nature of Indirect Beneficial<br>Ownership (Instr. 5)   |  |  |
|  |           |       |   | Date<br>Exercisable                                      | Expiration<br>Date                                 | Title  | Amount or<br>Number of<br>Shares                   | Price of<br>Derivative<br>Security | (Instr. 5)   |  |  |
| Stock option (righ   | t to buy) |       |   | (1)  | 12/02/2029   | Common stock   | 6,044  | 38.72                              | D  |  |  |
| Restricted stock u   | nits      |       |   | (2)  | (2)  | Common stock   | 1,667  | (3)                                | D  |  |  |
| Restricted stock u   | nits      |       |   | (4)  | (4)  | Common stock   | 6,486  | (3)                                | D  |  |  |
| Restricted stock u   | nits      |       |   | (5)  | (5)  | Common stock   | 9,375  | (3)                                | D  |  |  |
| Stock option (righ   | t to buy) |       | •   | (6)  | 02/10/2031   | Common stock   | 3,243  | 56.68                              | D  |  |  |

## Explanation of Responses:

- 1. This option was granted on December 2, 2019. The shares underlying this option vest as to 25% of the underlying shares on December 2, 2020, with the remaining 75% vesting in 36 equal monthly installments thereafter.
- 2. The restricted stock units were granted on December 2, 2019. Beginning on December 2, 2020, the shares underlying the restricted stock units will vest in three equal annual installments 3. Each restricted stock unit represents a contingent right to receive one share of the issuer's common stock.
- 4. The restricted stock units were granted on February 10, 2021. Beginning on February 10, 2022, the shares underlying the restricted stock units will vest in three equal annual installm
- 5. The restricted stock units were granted on December 23, 2020. The shares underlying the restricted stock units will vest in full on December 23, 2022.

  6. This option was granted on February 10, 2021. The shares underlying this option vest as to 25% of the underlying shares on February 10, 2022, with the remaining 75% vesting in 36 equal monthly installments thereafter.

## Remarks:

/s/ William Cook, as attorney-in-fact for 09/10/2021 Sarah Gheuens \*\* Signature of Reporting Person Date

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

 ${}^\star$  If the form is filed by more than one reporting person, see Instruction 5 (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.

LIMITED POWER OF ATTORNEY FOR SECTION 16 REPORTING OBLIGATIONS

Know all by these presents, that the undersigned hereby makes, constitutes and appoints each of James Burns and William Cook, signing singly an

- (1) execute for and on behalf of the undersigned, in the undersigned's capacity as an officer and/or director of Agios Pharmaceuticals, Inc
- (2) do and perform any and all acts for and on behalf of the undersigned which may be necessary or desirable to prepare, complete and execu-
- (3) seek or obtain, as the undersigned's representative and on the undersigned's behalf, information regarding transactions in the Company':
- (4) take any other action of any type whatsoever in connection with the foregoing which, in the opinion of such attorney in fact, may be of The undersigned hereby grants to each such attorney in fact full power and authority to do and perform any and every act and thing whatsoever This Power of Attorney shall remain in full force and effect until the undersigned is no longer required to file Forms 3, 4, and 5 with respect

IN WITNESS WHEREOF, the undersigned has caused this Power of Attorney to be executed as of this 3rd day of August, 2021.

Signature:

/s/ Sarah Gheuens

Print Name: Sarah Gheuens