FORM 4

Check this box if no longer subject to Section 16. Form 4 or Form 5

obligations may continue. See Instruction 1(b).

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

| Washington, D. | .C. 20549 | |
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| STATEMENT | OF CHANGES I | N BENEFICIAL | OWNERSHIP |
|-----------|--------------|--------------|-----------|
| | | | |

OMB APPROVAL 3235-0287 OMB Number: Estimated average burden 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

| Burns J | James Wi | irst) | AC 3. E | 2. Issuer Name and Ticker or Trading Symbol AGIOS PHARMACEUTICALS, INC. [AGIO] 3. Date of Earliest Transaction (Month/Day/Year) 02/10/2023 | | | | | | | | | (Che | Director Officer below) | lationship of Reporting Person(s) to Issuer ck all applicable) Director 10% Owner Officer (give title Other (specify below) Chief Legal Officer | | | | | |
|---|---|--|--|---|------------------------------|---|------|-----------------------------------|---|------------|---|--------------------|---|--------------------------|---|---|--|------|--|--|
| (Street) CAMBR (City) | | tate) | 02139 (Zip) | a Dariy | - | If Amendment, Date of Original Filed (Month/Day/Year) tive Securities Acquired, Disposed of, or Benefice | | | | | | | | Line | X Form filed by One Reporting Person Form filed by More than One Reporting Person | | | | | |
| 1. Title of Security (Instr. 3) | | | 2. Transaction Date (Month/Day/Year) | | ar) if | 2A. Deemed Execution Date, if any (Month/Day/Year) | | 3. Transaction Code (Instr. | | on | 4. Securities Acquired (A) Disposed Of (D) (Instr. 3, | | | (A) or | 5. Amou Securiti Benefic | int of es ially Following | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | | 7. Nature of Indirect Beneficial Ownership (Instr. 4) | |
| | | | | Cod | e v | | | | Amount | (A) (D) | or | Price | Transac (Instr. 3 | ction(s) | | | (, | | | |
| Common stock | | | | 02/10 | 2/10/2023 | | | | М | | | 1,834 | 4 A | | \$ <mark>0</mark> | 23 | ,052 | D | | |
| Common stock | | | | 02/14 | 2/14/2023 | | | | F | | | 643 | I | | \$28.4 | 4 22 | 22,409 | | D | |
| | | Т | able II - | | | | | | | | | sed of, onverti | | | | Owned | | | | |
| 1. Title of Derivative Security (Instr. 3) | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | 3A. Deem Execution if any (Month/Da | Date, | 4. Transa Code (8) | | n of | | 6. Date Exercisa Expiration Date (Month/Day/Yea | | | | 7. Title and Amount of Securities Underlying Derivative Se (Instr. 3 and 4 | | | 8. Price of Derivative Security (Instr. 5) | 9. Numbe derivative Securities Beneficia Owned Following Reported Transacti (Instr. 4) | ly [| 10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 11. Nature of Indirect Beneficial Ownership (Instr. 4) |
| | | | | | Code | v | (A) | (D) | Date Exercis | able | Ex Da | piration te | Title | or Nu of | umber | | | | | |
| Restricted stock units | (1) | 02/10/2023 | | | M | | | 1,834 | (2) | | | (2) | Commo | n 1 | ,834 | \$0 | 1,833 | | 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 February 10, 2021. Beginning on February 10, 2022, the shares underlying the restricted stock units will vest in three equal annual installments.

Remarks:

/s/ William Cook, as Attorney in Fact for James Burns

02/14/2023

** 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.