FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

| OMB APPROVAL | | | | | | | | |
|--------------------------|-----------|--|--|--|--|--|--|--|
| 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

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

| | | | * | | | | | | | | ompany A | | | 5 D : | 4: • | : f D | - D () : | |
|---|---|--|---------------------------------|-------------------------|--|---|-----------------|------------------|--|-------|----------------------|---|-----------------------------------|---|---|--|--|--|
| 1. Name and Address of Reporting Person* Goddard Glenn | | | | | AG | 2. Issuer Name and Ticker or Trading Symbol AGIOS PHARMACEUTICALS INC [AGIO] | | | | | | | | Relationship of Reporting Person(s) to Issuer (Check all applicable) Director | | | | |
| (Last) (First) (Middle) C/O AGIOS PHARMACEUTICALS, INC. 38 SIDNEY STREET, 2ND FLOOR | | | | | | 3. Date of Earliest Transaction (Month/Day/Year) 03/16/2015 4. If Amendment, Date of Original Filed (Month/Day/Year) | | | | | | | | X | Officer (give title below) Senior Vice Pro | | below |) |
| | | | | | 4. If <i>i</i> | | | | | | | | | 6. Individual or Joint/Group Filing (Check Applicable Line) | | | | |
| (Street) CAMBRIDGE MA 02139 | | | | | - | | | | | | | | | X Form filed by One Reporting Person Form filed by More than One Reporting Person | | | | |
| (City) | (Si | tate) (| (Zip) | | | | | | | | | | | | | | | |
| | | Tab | le I - | - Non-Deri | | | | | | l, Di | | | | | _ | | | |
| | | | 2. Transaction Date (Month/Day/ | Year) if | 2A. Deemed Execution Date, if any (Month/Day/Year) | | Transaction Dis | | 4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4 | | | 4 and 5) Sec Ben Owr | | | 6. Ownership Form: Direct (D) or Indirect (I) | 7. Nature of Indirect Beneficial Ownership | | |
| | | | | | | | | | Code | v | Amount | (A) or (D) | | 1 | Following Reported Transaction(s) (Instr. 3 and 4) | | (Instr. 4) | (Instr. 4) |
| Common stock | | | | 03/16/2015 | | | | | M ⁽¹⁾ | | 455 | A | \$(|).69 | | 455 | D | |
| Common stock | | | | 03/16/2015 | | | | M ⁽¹⁾ | | 3,477 | A | \$2 | 23.1 | | 3,932 | D | | |
| Common stock 03/16/201 | | | | 15 | | | | M ⁽¹⁾ | | 6,068 | A | + | 31.64 | | 10,000 | D | | |
| Common stock 03/16/201 | | | | | 15 | | | | S ⁽²⁾ | | 10,000 | D | \$10 | 6.24(3) | | 0 | D | |
| | | Ta | able | II - Deriva (e.g., p | | | | | | | oosed of converti | | | | wned | I | | |
| 1. Title of Derivative Security (Instr. 3) | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | Exec if an | Deemed sution Date, | 4. Transaction Code (Instr. 8) | | 5. Number | | 6. Date Exerci Expiration Da (Month/Day/Yo | | isable and | 7. Title and Amount of Securities Underlying Derivative Security (Instr.) and 4) | | 8. Prof Deri Seci (Insi | rice ivative urity tr. 5) | 9. Number of derivative Securities Beneficially Owned Following Reported Transaction ((Instr. 4) | Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 11. Nature of Indirect Beneficial Ownership (Instr. 4) |
| | | | | | Code | v | (A) | (D) | Date Exercisa | | Expiration Date | Title | Amou or Numb of Share | er | | | | |
| Stock option (right to buy) | \$0.6875 | 03/16/2015 | | | M ⁽¹⁾ | | | 455 | (4) | | 09/14/2021 | Common stock | 455 | \$ \$0 | 0.00 | 120,814 | D | |
| Stock option (right to buy) | \$23.1 | 03/16/2015 | | | M ⁽¹⁾ | | | 3,477 | (5) | | 08/27/2023 | Common stock | 3,47 | 7 \$(| 0.00 | 117,337 | D | |
| Stock option (right to buy) | \$31.64 | 03/16/2015 | | | M ⁽¹⁾ | | | 6,068 | (6) | | 03/04/2024 | Common stock | 6,06 | 8 \$0 | 0.00 | 111,269 | D | |

Explanation of Responses:

- 1. This exercise was effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person.
- 2. This sale was effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person.
- 3. The price reported is the weighted average of the shares sold. The shares were sold at varying prices in the range of \$105.30 to \$107.75. The reporting person undertakes, upon request by the staff of the Securities and Exchange Commission, the issuer, or a security holder of the issuer, to provide full information regarding the number of shares sold at each separate price.
- 4. This option was granted on September 15, 2011. The shares underlying this option vest as to 25% of the underlying shares on September 15, 2012, with the remaining 75% vesting in 36 equal monthly installments thereafter.
- 5. This option was granted on August 28, 2013. The shares underlying this option vest as to 25% of the underlying shares on August 28, 2014, with the remaining 75% vesting in 36 equal monthly installments thereafter.

6. This option was granted on March 5, 2014. The shares underlying this option vest as to 25% of the underlying shares on March 5, 2015, with the remaining 75% vesting in 36 equal monthly installments thereafter.

Remarks:

<u>/s/ Glenn Goddard</u> <u>03/18/2015</u>

** 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.