

Cantley Lewis Clayton Jr.  
Form 4  
November 15, 2017

**FORM 4** UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

OMB APPROVAL

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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 OF SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
Cantley Lewis Clayton Jr.

2. Issuer Name and Ticker or Trading Symbol  
AGIOS PHARMACEUTICALS INC  
[AGIO]

5. Relationship of Reporting Person(s) to Issuer  
  
(Check all applicable)

(Last) (First) (Middle)

3. Date of Earliest Transaction  
(Month/Day/Year)  
11/13/2017

Director  10% Owner  
 Officer (give title below)  Other (specify below)

C/O AGIOS  
PHARMACEUTICALS, INC., 88  
SIDNEY STREET

(Street)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

CAMBRIDGE, MA 02139

(City) (State) (Zip)

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

| 1. Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) | 4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Ownership (Instr. 4) |        |   |                  |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|-----------------------------------|--------|---|------------------|
|                                 |                                      |  | Code                           | V   | Amount  | (A) or (D)   | Price                             |        |   |                  |
| Common stock                    | 11/13/2017                           |  | S <sup>(1)</sup>               |   | 1,000   | D  | \$ 62.07<br>(2)                   | 82,394 | D |                  |
| Common stock                    | 11/13/2017                           |  | S <sup>(1)</sup>               |   | 1,000   | D  | \$ 62.07<br>(2)                   | 82,434 | I | See footnote (3) |
| Common stock                    | 11/14/2017                           |  | S <sup>(1)</sup>               |   | 691   | D  | \$ 59.36<br>(4)                   | 81,703 | D |                  |

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|              |            |                  |     |   |                    |        |   |                        |
|--------------|------------|------------------|-----|---|--------------------|--------|---|------------------------|
| Common stock | 11/14/2017 | S <sup>(1)</sup> | 691 | D | \$<br>59.36<br>(4) | 81,743 | I | See<br>footnote<br>(3) |
| Common stock | 11/14/2017 | S <sup>(1)</sup> | 309 | D | \$<br>60.46<br>(5) | 81,394 | D |                        |
| Common stock | 11/14/2017 | S <sup>(1)</sup> | 309 | D | \$<br>60.46<br>(5) | 81,434 | I | See<br>footnote<br>(3) |
| Common stock |            |                  |     |   |                    | 20,803 | I | See<br>footnote<br>(6) |
| Common stock |            |                  |     |   |                    | 20,803 | I | See<br>footnote<br>(7) |

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

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(9-02)

**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. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) | 8. Price of Derivative Security (Instr. 5) | 9. Number of Derivative Securities Owned Following Transaction (Instr. 6) |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|--|---|
|  |  |                                      |  |                                |   | Date Exercisable   | Expiration Date   | Title                                      | Amount or Number of Shares  |
|  |  |                                      |  |                                |   | Code   | V (A) (D)   |  |   |

## Reporting Owners

| Reporting Owner Name / Address   | Relationships |           |         |       |
|--|---------------|-----------|---------|-------|
|  | Director      | 10% Owner | Officer | Other |
| Cantley Lewis Clayton Jr.<br>C/O AGIOS PHARMACEUTICALS, INC.<br>88 SIDNEY STREET | X             |           |         |       |

CAMBRIDGE, MA 02139

## Signatures

/s/ William Cook, as Attorney-in-fact for Lewis C.  
Cantley Jr.

11/15/2017

\_\_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) This sale was effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person.  
The price reported is the weighted average of the shares sold. The shares were sold at varying prices in the range of \$61.87 to \$62.45. 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.
- (2) Shares held by Vicki Lee Sato, who is the reporting person's spouse.  
The price reported is the weighted average of the shares sold. The shares were sold at varying prices in the range of \$59.05 to \$59.71. 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.
- (3) Shares held by grantor retained annuity trusts for the benefit of the reporting person and his two children, of which the reporting person is trustee and sole annuitant.  
The price reported is the weighted average of the shares sold. The shares were sold at varying prices in the range of \$60.19 to \$60.78. 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) Shares held by grantor retained annuity trusts for the benefit of the reporting person's spouse and their two children, of which the reporting person's spouse is trustee and sole annuitant.
- (5) Shares held by grantor retained annuity trusts for the benefit of the reporting person and his two children, of which the reporting person is trustee and sole annuitant.
- (6) Shares held by grantor retained annuity trusts for the benefit of the reporting person's spouse and their two children, of which the reporting person's spouse is trustee and sole annuitant.
- (7) Shares held by grantor retained annuity trusts for the benefit of the reporting person's spouse and their two children, of which the reporting person's spouse is trustee and sole annuitant.

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.