Walsh Jeffrey T. Form 4 April 12, 2019

FORM 4

OMB APPROVAL

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

OMB 3235-0287 Number:

Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

January 31, Expires: 2005

Form 4 or Form 5 obligations **SECURITIES**

Estimated average burden hours per response...

may continue. See Instruction

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

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1(b).

(Print or Type Responses)

| 1. Name and Address of Reporting Person * Walsh Jeffrey T. | | | 2. Issuer Name and Ticker or Trading Symbol bluebird bio, Inc. [BLUE] | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) | | | |
|--|-------------|---------|--|---|--|--|--|
| (Last) | (First) (N | Middle) | 3. Date of Earliest Transaction | (| | | |
| | | | (Month/Day/Year) | Director 10% Owner | | | |
| C/O BLUEBIRD BIO, INC., 60 BINNEY STREET | | | 04/10/2019 | _X_ Officer (give title Other (specif below) Chief Strategy Officer | | | |
| | | | | | | | |
| (Street) | | | 4. If Amendment, Date Original | 6. Individual or Joint/Group Filing(Check | | | |
| | | | Filed(Month/Day/Year) | Applicable Line) | | | |
| CAMBRIDG | E, MA 02142 | | | _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person | | | |

| (City) | (State) | (Zip) Tab | ole I - Non- | Derivativ | e Seci | ırities Acquir | ed, Disposed of, | or Beneficiall | y Owned |
|--------------------------------------|--------------------------------------|---|---|-----------|------------------|-----------------------|--|---|---|
| 1.Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. 4. Securities Acquired (A) Transaction Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8) | | | | 5. Amount of Securities Beneficially Owned Following | 6. Ownership Form: Direct (D) or Indirect | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
| | | | Code V | Amount | (A) or (D) | Price | Reported Transaction(s) (Instr. 3 and 4) | (I) (Instr. 4) | |
| Common Stock | 04/10/2019 | | M | 1,500 | A | \$ 24.47 | 42,421 | D | |
| Common Stock | 04/10/2019 | | S <u>(1)</u> | 1,100 | D | \$ 156.4409 (2) | 41,321 | D | |
| Common Stock | 04/10/2019 | | S <u>(1)</u> | 400 | D | \$ 157.2275 (3) | 40,921 | D | |

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)

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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. Transactic 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) | |
|---|---|---|---|--|---|-------|--|--------------------|---|--|
| | | | | Code V | (A) | (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares |
| Stock Option (right to buy) | \$ 24.47 | 04/10/2019 | | M | | 1,500 | <u>(4)</u> | 03/03/2024 | Common Stock | 1,500 |

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Walsh Jeffrey T. C/O BLUEBIRD BIO, INC. 60 BINNEY STREET CAMBRIDGE, MA 02142

Chief Strategy Officer

Signatures

/s/ Jason F. Cole, Attorney-in-Fact 04/12/2019

**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) The sales reported in this Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on July 2, 2018.
- The range of prices for the transaction reported on this line was \$156.09 to \$156.62. The average weighted price was \$156.4409. The reporting person will provide, upon request by the SEC, the issuer or a security holder of the issuer, full information regarding the number of shares sold at each separate price.
- The range of prices for the transaction reported on this line was \$157.09 to \$157.38. The average weighted price was \$157.2275. The reporting person will provide, upon request by the SEC, the issuer or a security holder of the issuer, full information regarding the number of shares sold at each separate price.

Reporting Owners 2

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(4) This option vested over a four-year period, at a rate of twenty-five percent (25%) on January 1, 2015 and in 36 equal monthly installments thereafter.

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.