

Cole Jason
 Form 4
 February 01, 2018

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 *
 Cole Jason

(Last) (First) (Middle)

C/O BLUEBIRD BIO, INC., 60
 BINNEY STREET

(Street)

CAMBRIDGE, MA 02142

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
 bluebird bio, Inc. [BLUE]

3. Date of Earliest Transaction (Month/Day/Year)
 01/30/2018

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

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

Chief Legal Officer

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

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 Indirect Beneficial Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|---|
| | | | Code | V | Amount | (A) or (D) | Price |
| Common Stock | 01/30/2018 | | M | | 25,000 | A | \$ 22.53 |
| Common Stock | 01/30/2018 | | S ⁽¹⁾ | | 1,160 | D | \$ 192.4915 |
| Common Stock | 01/30/2018 | | S ⁽¹⁾ | | 5,359 | D | \$ 193.7441 |
| Common Stock | 01/30/2018 | | S ⁽¹⁾ | | 6,743 | D | \$ 194.6527 |

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| | | | | | | | |
|--------------|------------|------------------|-------|---|---------------------|--------|---|
| Common Stock | 01/30/2018 | S ⁽¹⁾ | 2,951 | D | \$ 195.5664 (5) | 28,585 | D |
| Common Stock | 01/30/2018 | S ⁽¹⁾ | 2,458 | D | \$ 196.6336 (6) | 26,127 | D |
| Common Stock | 01/30/2018 | S ⁽¹⁾ | 2,027 | D | \$ 197.6062 (7) | 24,100 | D |
| Common Stock | 01/30/2018 | S ⁽¹⁾ | 710 | D | \$ 198.462 (8) | 23,390 | D |
| Common Stock | 01/30/2018 | S ⁽¹⁾ | 1,003 | D | \$ 199.4324 (9) | 22,387 | D |
| Common Stock | 01/30/2018 | S ⁽¹⁾ | 1,062 | D | \$ 200.8818 (10) | 21,325 | D |
| Common Stock | 01/30/2018 | S ⁽¹⁾ | 1,113 | D | \$ 201.574 (11) | 20,212 | D |
| Common Stock | 01/30/2018 | S ⁽¹⁾ | 296 | D | \$ 202.6799 (12) | 19,916 | D |
| Common Stock | 01/30/2018 | S ⁽¹⁾ | 118 | D | \$ 203.6 (13) | 19,798 | D |

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

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 control number.

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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. Amount or Number of Shares |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|-------------------------------|
| | \$ 22.53 | 01/30/2018 | | M | 25,000 | (14) 02/10/2024 | | 25,000 |

Stock
Option
(right to
buy)

Common
Stock

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|---|---------------|-----------|---------------------|-------|
| | Director | 10% Owner | Officer | Other |
| Cole Jason C/O BLUEBIRD BIO, INC. 60 BINNEY STREET CAMBRIDGE, MA 02142 | | | Chief Legal Officer | |

Signatures

/s/ Jason F. Cole 02/01/2018

__Signature of Date
Reporting Person

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 the Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on December 13, 2017
- (2) The range in prices for the transaction reported on this line was \$192.00 to \$192.95. The average weighted price was \$192.4915. The reporting person will provide, upon request by the SEC, the issuer or security holder of the issuer, full information regarding the number of shares sold at each separate price.
- (3) The range in prices for the transaction reported on this line was \$193.10 to \$194.05. The average weighted price was \$193.7441. The reporting person will provide, upon request by the SEC, the issuer or security holder of the issuer, full information regarding the number of shares sold at each separate price.
- (4) The range in prices for the transaction reported on this line was \$194.10 to \$195.05. The average weighted price was \$194.6527. The reporting person will provide, upon request by the SEC, the issuer or security holder of the issuer, full information regarding the number of shares sold at each separate price.
- (5) The range in prices for the transaction reported on this line was \$195.10 to \$196.05. The average weighted price was \$195.5664. The reporting person will provide, upon request by the SEC, the issuer or security holder of the issuer, full information regarding the number of shares sold at each separate price.
- (6) The range in prices for the transaction reported on this line was \$196.10 to \$197.05. The average weighted price was \$196.6336. The reporting person will provide, upon request by the SEC, the issuer or security holder of the issuer, full information regarding the number of shares sold at each separate price.
- (7) The range in prices for the transaction reported on this line was \$197.10 to \$198.00. The average weighted price was \$197.6062. The reporting person will provide, upon request by the SEC, the issuer or security holder of the issuer, full information regarding the number of shares sold at each separate price.
- (8) The range in prices for the transaction reported on this line was \$198.10 to \$199.00. The average weighted price was \$198.4620. The reporting person will provide, upon request by the SEC, the issuer or security holder of the issuer, full information regarding the number of shares sold at each separate price.
- (9) The range in prices for the transaction reported on this line was \$199.10 to \$200.05. The average weighted price was \$199.4324. The reporting person will provide, upon request by the SEC, the issuer or security holder of the issuer, full information regarding the number of shares sold at each separate price.
- (10)

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The range in prices for the transaction reported on this line was \$200.20 to \$201.10. The average weighted price was \$200.8818. The reporting person will provide, upon request by the SEC, the issuer or security holder of the issuer, full information regarding the number of shares sold at each separate price.

- (11) The range in prices for the transaction reported on this line was \$201.30 to \$202.05. The average weighted price was \$201.5740. The reporting person will provide, upon request by the SEC, the issuer or security holder of the issuer, full information regarding the number of shares sold at each separate price.

- (12) The range in prices for the transaction reported on this line was \$202.40 to \$203.00. The average weighted price was \$202.6799. The reporting person will provide, upon request by the SEC, the issuer or security holder of the issuer, full information regarding the number of shares sold at each separate price.

- (13) The range in prices for the transaction reported on this line was \$203.50 to \$203.70. The average weighted price was \$203.60. The reporting person will provide, upon request by the SEC, the issuer or security holder of the issuer, full information regarding the number of shares sold at each separate price.

- (14) This option vests over a four-year period, at a rate of twenty-five percent (25%) on March 6, 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.

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