Cole Jason Form 4 July 11, 2018

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

3235-0287

Expires:

Form filed by More than One Reporting

Person

January 31, 2005

0.5

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response...

if no longer subject to Section 16. Form 4 or Form 5 obligations

may continue.

See Instruction

Check this box

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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading Cole Jason Issuer Symbol bluebird bio, Inc. [BLUE] (Check all applicable) (Last) (First) (Middle) 3. Date of Earliest Transaction (Month/Day/Year) Director 10% Owner X_ Officer (give title _ Other (specify C/O BLUEBIRD BIO, INC., 60 07/09/2018 below) **BINNEY STREET** Chief Legal Officer (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person

CAMBRIDGE, MA 02142

(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)	Code (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)			
Common Stock	07/09/2018		S(1)	600	D D	\$ 168.4667 (2)	21,698	D			
Common Stock	07/09/2018		S <u>(1)</u>	2,290	D	\$ 169.6438 (3)	19,408	D			
Common Stock	07/09/2018		S <u>(1)</u>	970	D	\$ 170.6762 (4)	18,438	D			
Common Stock	07/09/2018		S(1)	940	D	\$ 171.6022	17,498	D			

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(5) \$ Common 07/09/2018 $S^{(1)}$ 326 D 172.6647 17,172 D Stock (6)

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)required to respond unless the form displays a currently valid OMB control number.

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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. Transac Code (Instr. 8	of Of See Acc (A Di of (Ir	umber		ate	Amor Unde Secur	le and ant of rlying ities . 3 and 4)	8. Price of Derivative Security (Instr. 5)
				Code	V (A	a) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	

Reporting Owners

Relationships Reporting Owner Name / Address

> Other Director 10% Owner Officer

Cole Jason

C/O BLUEBIRD BIO, INC. **60 BINNEY STREET** CAMBRIDGE, MA 02142

Chief Legal Officer

Signatures

/s/ Jason F. Cole 07/11/2018 **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).
- 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, **(1)** 2017.

Reporting Owners 2

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- The range in prices for the transaction reported on this line was \$168.15 to \$169.00. The average weighted price was \$168.4667. 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.
- The range in prices for the transaction reported on this line was \$169.25 to \$170.20. The average weighted price was \$169.6438. 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.
- The range in prices for the transaction reported on this line was \$170.25 to \$171.15. The average weighted price was \$170.6762. The (4) 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.
- The range in prices for the transaction reported on this line was \$171.25 to \$172.15. The average weighted price was \$171.6022. 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.
- The range in prices for the transaction reported on this line was \$172.45 to \$172.85. The average weighted price was \$172.6647. 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.

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.