FORM 4

Section 16. Form 4 or Form 5

obligations may continue. See

Instruction 1(b)

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Check this box if no longer subject to Section 16. Form 4 or Form 5	STATEMENT OF CHANGES IN BENEFICIAL	OWNERSHIP
Section 16. Form 4 or Form 5		

OMB APPROVAL OMB Number: Estimated average burden

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

1. Name and Address Walsh Jeffrey		rson*		oluebird bio, Ir			0 ,		(Check	tionship of Reporting all applicable) Director Officer (give title	10% C	
(Last) (First) (Middle) C/O BLUEBIRD BIO, INC. 150 SECOND STREET				3. Date of Earliest Tra 07/10/2015	ansactio	n (Mo	nth/Day/Year)	x	X Officer (give title Other (specify below) Chief Operating Officer			
(Street) CAMBRIDGE (City)	MA (State)	02141 (Zip)		i. If Amendment, Dat	e of Ori	ginal F	iled (Month/D	ay/Year)	6. Indiv Line)	idual or Joint/Group Form filed by One Form filed by Mor Person	Reporting Pers	on
		Table I -	Non-Derivati	ve Securities A	cquir	ed, I	Disposed (of, or I	Beneficially (Owned		
Date		2. Transaction Date (Month/Day/Year			ction Instr.	4. Securities Disposed Of			5. Amount of Securities Beneficially Owned Following Reported	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	Transaction(s) (Instr. 3 and 4)		(iiisti. 4)
Common Stock			07/10/2015		M		11,000	A	\$2.09	11,000	D	
Common Stock			07/10/2015		S ⁽¹⁾		3,770	D	\$157.4007(2)	7,230	D	
Common Stock			07/10/2015		S ⁽¹⁾		3,532	D	\$158.4333 ⁽³⁾	3,698	D	

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

 $\varsigma(1)$

 $S^{(1)}$

S⁽¹⁾

 $S^{(1)}$

2,100

600

900

98

D

D

D

D

\$159.4198(4)

\$160.215(5)

\$161.2779(6)

\$162.1862(7

1,598

998

98

0

D

D

D

D

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. Transa Code (8)		5. Number of Expiration Date (Month/Day/Year) Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)		
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Stock Option (right to buy)	\$2.09	07/10/2015		М			11,000	(8)	07/13/2021	Common Stock	11,000	\$0.00	51,513	D	

Explanation of Responses:

Common Stock

Common Stock

Common Stock

Common Stok

1. The sales reported in this Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on September 26, 2014.

07/10/2015

07/10/2015

07/10/2015

07/10/2015

- 2. The range of prices for the transaction reported on this line was \$157.05 to \$157.76. The average weighted price was \$157.4007. 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.
- 3. The range of prices for the transaction reported on this line was \$158.01 to \$158.95. The average weighted price was \$158.4333. 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.
- 4. The range of prices for the transaction reported on this line was \$159.02 to \$159.99. The average weighted price was \$159.4198. 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.
- 5. The range of prices for the transaction reported on this line was \$160.13 to \$160.36. The average weighted price was \$160.2150. 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.
- 6. The range of prices for the transaction reported on this line was \$161.01 to \$161.575. The average weighted price was \$161.2779. 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.
- 7. The range of prices for the transaction reported on this line was \$162.18 to \$162.34. The average weighted price was \$162.1862. 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.
- 8. This option vests over a four-year period, at a rate of twenty-five percent (25%) on May 16, 2012 and in 36 equal monthly installments thereafter.

Remarks:

/s/ Jason F. Cole, Attorney-in-

Fact

07/13/2015

** 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 cor	ntained in this form are not requi	red to respond unless the form disp	olays a currently valid OMB Number.