Instruction 1(b)

## FORM 4

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D	D.C. 20549
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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

**OMB APPROVAL** OMB Number: Estimated average burden hours per response: 0.5

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

Name and Address of Reporting Person*  Walsh Jeffrey T.								e <b>and</b> Ti io, <u>In</u>			ng Symbol		all applic Directo	cable)	g Pers	10% Ow Other (s	/ner		
(Last) (First) (Middle) C/O BLUEBIRD BIO, INC. 60 BINNEY STREET						Date of 3/31/20		iest Trar	nsacti	on (Mon	th/Day/Year)	1	below)		and Strategy O		ficer		
(Street) CAMBR (City)	IDGE M	4.	4. If Amendment, Date of Original Filed (Month/Day/Year)									individual or Joint/Group Filing (Check Applicable ine)  X Form filed by One Reporting Person Form filed by More than One Reporting Person							
		Tab	le I -	Non-Deri	ivativ	e Sec	curit	ties A	cqui	red, D	oisposed o	of, or E	Benef	icially	Owned				
1. Title of Security (Instr. 3) 2. Tr			2. Transact Date (Month/Day	ion	2A. De Execu	eemed	d Date,	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and			5. Amo Securi Benefi Owned		int of es ially Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership	
					Code	v	Amount	(A) or (D)	Price		Reported Transaction(s) (Instr. 3 and 4)				(Instr. 4)				
Common Stock 08/31/201							7		M		12,000	A	\$5.	5004	39,305			D	
Common Stock 08/31/201						7			<b>S</b> <sup>(1)</sup>		12,000	D	\$125	S125.0076 <sup>(2)</sup>		27,305		D	
		-	Гablе								sposed of , converti				wned				
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/Yea		4. Transa Code ( 8)			vative urities uired or oosed O) (Instr.	6. Date Exercisable and Expiration Date (Month/Day/Year)			7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)			Price of erivative ecurity nstr. 5)	9. Number derivative Securities Beneficial Owned Following Reported Transactio (Instr. 4)	ly	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership t (Instr. 4)
					Code	v	(A)	(D)	Dat Exe	e ercisable	Expiration Date	Title	or Nu of	mber ares					
Stock Option (right to buy)	\$5.5004	08/31/2017			М			12,000		(3)	01/16/2023	Commo Stock		,000	\$0.00	72,385	5	D	

## **Explanation of Responses:**

- 1. The sales reported in this Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on December 23, 2016.
- 2. The range of prices for the transaction reported on this line was \$125.00 to \$125.15. The average weighted price was \$125.0076. 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. This option to purchase shares of our common stock granted on January 16, 2013 with performance-based vesting criteria that were met as of January 1, 2013. The shares underlying these options vested as follows: 25% vested on January 1, 2014, with the remainder of the shares vesting in equal monthly installments over the following three years.

## Remarks:

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

\*\* Signature of Reporting Person

**Fact** 

09/05/2017

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 contained in this form are not required to respond unless the form displays a currently valid OMB Number.