FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL									
OMB Number:	3235-028								

37 Estimated average burden hours per response: 0.5

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

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.								1.						
1. Name and Address of Reporting Person*						2. Issuer Name and Ticker or Trading Symbol								5. Relationship of Reporting Person(s) to Issuer (Check all applicable)					
Walsh Jeffrey T.					DII	bluebird bio, Inc. [BLUE]							1,0	Direc	,		10% O	_{wner}	
					_									Office	er (give title		Other (
(Lact)	(5	irct)	(Middlo)		3 [Date of Earliest Transaction (Month/Day/Year)									below) below)				
` '	(Last) (First) (Middle)							06/16/2014							Chief Operating Officer				
C/O BLUEBIRD BIO, INC.							00/10/10/1								1 0				
150 SEC	OND STR																		
			_ 4. I1	4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Individual or Joint/Group Filing (Check Applicable							
(Street)													Li	ne)					
,	IDGE M	ΓΔ	02141											X Form filed by One Reporting Person				on	
CAMBRIDGE MA 02141														Form filed by More than One Reporting					
					-									Pers	on				
(City)	(5	itate)	(Zip)																
		Tab	le I - No	on-Deriv	/ative	Sec	uriti	ies Ac	quired	l, Di	sposed o	of, or Be	neficia	lly Owne	d				
1 Title of	Security (Ins	tr 3)		2. Transa	ction	on 2A. Deemed			3.		4. Securiti	es Acquired	d (A) or	5. Amo	unt of	6. 0	wnership	7. Nature	
Date						Execution Date,			Transaction					5) Securi	ties	Forn	n: Direct	of Indirect	
				(Month/D	ay/Year	/Year) if any (Month/Day/Year)		Code (Instr. 8)				Benefi				Beneficial Ownership			
							[` '					(4) ar	1		Reported Transaction(s)			(Instr. 4)	
							Code	۱۷	Amount	(A) or (D)	Price		3 and 4)						
Common Stock 06/16/20									М		1,500	A	\$2.0	9 1	,500		D		
Common Stock 06/16/20					/2014	2014			S ⁽¹⁾		1,500	D	\$39.8	5 ⁽²⁾	0		D		
							<u> </u>							ļ	Į.				
		1	able II											y Owned					
(e.g., puts, calls, warrants, options, convertible securities) 1. Title of 2. 3. Transaction 3A. Deemed 4. 5. Number 6. Date Exercisable and 7. Title and 8. Price of 9. Number of 10. 11. Nature														11. Nature					
Derivative	Conversion	Date	Executio		Transa				Expiration Date		te	Amount of		Derivative	derivative	:	Ownership	of Indirect	
				Code (Instr.	tr. Derivative (Securities					Securities		Security	Securities Beneficially		Form: Direct (D)	Beneficial		
(Instr. 3) Price of Derivative Security (Month/Day/Year) 8)							Acquired		Underlying Derivative Seci				(Instr. 5)	Owned		or Indirect	Ownership (Instr. 4)		
							(A)	or				(Instr. 3 and 4)			Following	.	(I) (Instr. 4)		
						Disposed of (D)									Reported Transaction(s) (Instr. 4)				
						(Instr. 3, 4													
								and 5)						4					
													Amoun						
													or Numbei						
					Cada	,,	_(A)	_(D)	Date		Expiration	Title	of						
					Code	٧	(A)	(D)	Exercisa	mie	Date	Title	Shares	-				-	
Stock Option												Common							
(right to buy)	\$2.09	06/16/2014			M			1,500	(3)		07/13/2021	Stock	1,500	\$0.00	191,80	17	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 October 11, 2013.
- 2. The range of prices for the transaction reported on this line was \$39.10 to \$41.52. The average weighted price was \$39.8622. 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 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**

06/18/2014

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