SEC	Form	4
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## FORM 4

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
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

OMB AF	PF	ROVAL
OMB Number:		3235-028

Estimated average burden	
hours per response:	0.5

1. Walle and Address of Reporting Ferson		n*	2. Issuer Name <b>and</b> Ticker or Trading Symbol bluebird bio, Inc. [BLUE]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)					
Mandell James			,,,	X	Director	10% Owner			
C/O BLUEBIRD BIO, INC. 150 SECOND STREET		(Middle)	3. Date of Earliest Transaction (Month/Day/Year) 08/10/2015		Officer (give title below)	Other (specify below)			
			4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Indiv Line)	ing (Check Applicable				
(Street)				X	Form filed by One Re	eporting Person			
CAMBRIDGE MA 02141		02141			Form filed by More th Person	nan One Reporting			
(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)	3. Transa Code ( 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			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)		(11311. 4)		
Common Stock	08/10/2015		М		1,500	A	\$21.43	1,500	D			
Common Stock	08/10/2015		S <sup>(1)</sup>		626	D	\$146.8308(2)	874	D			
Common Stock	08/10/2015		S <sup>(1)</sup>		299	D	\$147.8835(3)	575	D			
Common Stock	08/10/2015		S <sup>(1)</sup>		194	D	\$148.7503(4)	381	D			
Common Stock	08/10/2015		<b>S</b> <sup>(1)</sup>		164	D	\$150.2816 <sup>(5)</sup>	217	D			
Common Stock	08/10/2015		S <sup>(1)</sup>		127	D	\$151.7102(6)	90	D			
Common Stock	08/10/2015		S <sup>(1)</sup>		90	D	\$152.8644(7)	0	D			

### 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. Transa Code ( 8)		of		6. Date Exerc Expiration Da (Month/Day/Y	ate	7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)			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)	\$21.43	08/10/2015		М		1,500		(8)	01/08/2024	Common Stock	1,500	\$0.00	18,500	D	

#### Explanation of Responses:

1. This sales reported in the Form 4 were effectd pursuant to a 10b5-1 trading plan adopted by the reporting person on July 8, 2015.

2. The range in prices for the transaction reported on this line was \$146.34 to 147.31. The average weighted price was \$146.8308. 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 \$147.45 to \$148.25. The average weighted price was \$147.8835. 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 \$148.66 to \$149.49. The average weighted price was \$148.7503. 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 \$149.81 to \$150.81. The average weighted price was \$150.2816. 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 \$151.38 to \$152.36. The average weighted price was \$151.7102. The reporting person will provide, upon request by the SEC, the issuer or

o. The range in pinces to the transaction reported on this line was \$151.50 to \$152.35. The average weighted price was \$151.7102. 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 \$152.61 to \$153.00. The average weighted price was \$152.8644. 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. This option vests ratably over three years in annual installments, commencing on January 8, 2014.

#### Remarks:

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

08/12/2015

Date

\*\* Signature of Reporting Person

**Fact** 

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.