FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL									
OMB Number:	3235-0287								
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١	Section 16. Form 4 or Form 5									
J	obligations may continue. See									
	Instruction 1(b)									

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 of Reporting Person* Mandell James					2. Issuer Name and Ticker or Trading Symbol bluebird bio, Inc. [BLUE]						(Ch	Relationship neck all appli X Directo	cable)	10%		ner	
(Last) (Filst) (Milate)				3. Date of Earliest Transaction (Month/Day/Year) 06/04/2015							Officer below)	(give title		Other (s below)	pecify		
150 SECOND STREET				4.1	4. If Amendment, Date of Original Filed (Month/Day/Year)							6. Individual or Joint/Group Filing (Check Applicable Line)					
(Street) CAMBR	IDGE M	A	02141										filed by One filed by More n	•	Ü		
(City)	(S	tate)	(Zip)														
	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																
Date			Transaction te onth/Day/Ye	Execution Date,		Code (Instr. 5)				Benefici	es ally Following	Form:	Direct Condinect Extr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)			
						Code V	Amount	(A) o (D)	r Price	Transac (Instr. 3	ction(s)			m3d. 4)			
	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	ise (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	Code (n of		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficially Owned Following Reported Transactio (Instr. 4)	y	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)	
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares						
Stock Option (right to buy)	\$184.98	06/04/2015		A		7,500		(1)	06/04/2025	Common Stock	7,500	\$0.00	7,500		D		

Explanation of Responses:

1. This otpion vests 100% on the earlier of June 4, 2016, or the date of the next annual meeting of stockholders.

Remarks:

/s/ Jason F. Cole, Attorney-in-Fact 06/08/2015

** 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.

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