FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT	OF CHANGES	IN BENEFICIAL	OWNERSHIP

	OMB APP	ROVAL
	OMB Number:	3235-0287
	Estimated average b	urden
1	hours por rosponso:	0.5

Check this box if no longer subject to Section 16. Form 4 or Form 5 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* <u>Leschly Nick</u>					2. Issuer Name and Ticker or Trading Symbol bluebird bio, Inc. [BLUE]										elationship o ck all applica Director	,			
	(F JEBIRD B IEY STREI		(Middle)			3. Date of Earliest Transaction (Month/Day/Year) 02/01/2019								X	below)	(give title President and C		Other (s below) CEO	pecify
(Street) CAMBR (City)		IA State)	02142 (Zip)		4.	If Ame	endment, [Oate o	f Original F	Filed ((Month/Da	ay/Year)		6. Inc Line)	_	ed by One	Repo	(Check App rting Persor One Repor	.
		Та	ble I - Nor	n-Deriv	vativ	ve Se	curities	s Ac	quired,	Disp	osed o	of, or Be	enef	ficially	Owned				
1. Title of Security (Instr. 3)		2. Transaction Date (Month/Day/Year)			2A. Deemed Execution Date, if any (Month/Day/Year)		Transaction [Code (Instr.		4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4			A) or 3, 4 and 5	Beneficia Owned Fe	s lly ollowing	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership		
									Code	v	Amount	(A) (D)	or	Price	Reported Transacti (Instr. 3 a	on(s)			(Instr. 4)
Common	Stock ⁽¹⁾			02/0	1/20	2019		A		25,00	6,000 A		\$0.00	218,203			D		
Common Stock													17,186			I	Nick Leschly 2001 Trust		
			Table II -						uired, D , option						Owned				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Dat if any (Month/Day/Ye	Code (In		saction Deriv e (Instr. Secur Acqu or Dis of (D)		erivative Ex		6. Date Exercisal Expiration Date Month/Day/Year		7. Title and Amou of Securities Underlying Derivative Securi (Instr. 3 and 4)		curity	8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficial Owned Following Reported	e s Illy	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership t (Instr. 4)
				Co	ode	v	(A)	(D)	Date Exercisabl		xpiration ate	Title	or Nu	nount mber Shares		Transacti (Instr. 4)	on(s)		
Stock Option (right to	\$134.63	02/01/2019			A		100,000		(2)	02	2/01/2029	Common Stock	10	00,000	\$0.00	100,00	00	D	

Explanation of Responses:

- 1. Restricted stock units for common stock vest over a four-year period at a rate of 25% on 01/04/2020, 25% on 01/04/2021, 25% on 01/04/2022, and 25% on 01/04/2023.
- 2. This option vests over a four-year period, at a rate of twenty-five percent (25%) on January 4, 2020 and in 36 equal monthly installments thereafter.

Remarks:

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

02/05/2019

** 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.