SEC Form 4	
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UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL

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FORM 4

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. Name and Address of Reporting Person* <u>LYNCH DANIEL</u>						2. Issuer Name and Ticker or Trading Symbol bluebird bio, Inc. [BLUE]							5. Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director 10% Owner					
	,		3. Date of Earliest Transaction (Month/Day/Year) 11/11/2021								Officer (below)	(give title		Other (s below)	pecify			
(Street) CAMBRIDGE, MA 02142						4. If Amendment, Date of Original Filed (Month/Day/Year)							6. Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person					
(S	itate)	(Zip)									ting							
	Ta		n-Deriva	tive S	ecur	ities Aco	auired. D	Disp	osed of	or Ben	eficiall	v Owned						
Security (Insi	nstr. 3) 2. Transaction 2A. Deemed Date Execution D (Month/Day/Year) if any		Deemed cution Date, y	eemed 3. 4. Securities Acquired (A tition Date, Transaction Disposed Of (D) (Instr. 3, Code (Instr. 5)					5. Amour Securitie Beneficia	s Illy	6. Ownership Form: Direct (D) or Indirect <i>i</i> ng (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership					
							Code V		Amount	(A) or (D) Price		Transacti	Reported Transaction(s) (Instr. 3 and 4)			(Instr. 4)		
Stock ⁽¹⁾⁽²⁾⁽³)	11/1:					J	J		A	\$0	7,959		D				
												Owned						
2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Da if any	ate, 4. Cod	nsaction	5. Number of 6 Derivative		6. Date Ex Expiration	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amoun of Securities Underlying		8. Price of Derivative Security (Instr. 5)	derivative Securities Beneficia Owned Following Reported	e s dly g	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	t (Instr. 4)		
			Cod	le V	(A)	(D)	Date Exercisab			Title	or		Transacti (Instr. 4)					
\$2.74 ⁽⁴⁾	11/11/2021		J			23,342 ⁽⁴⁾	(4)	(01/16/2023	Common Stock	22,981	\$0	22,981		D			
\$12.54 ⁽⁵⁾	11/11/2021		J			10,500 ⁽⁵⁾	(5)	(06/11/2024	Common Stock	10,337	\$0	10,337		10,337		D	
\$92.14 ⁽⁶⁾	11/11/2021		J			10,500 ⁽⁶⁾	(6)	(06/04/2025	Common Stock	10,337	\$0	10,337		\$0 10,337		D	
\$23.85 ⁽⁷⁾	11/11/2021		J			5,600 ⁽⁷⁾	(7)	(06/02/2026	Common Stock	5,513	\$0	5,513	3	D			
\$55.29 ⁽⁸⁾	11/11/2021		J			5,600 ⁽⁸⁾	(8)	(06/08/2027	Common Stock	5,513	\$0	5,513	3	D			
\$91.2 ⁽⁹⁾	11/11/2021		J			5,600 ⁽⁹⁾	(9)	(06/20/2028	Common Stock	5,513	\$0	5,513	3	D			
\$60.78 ⁽¹⁰⁾	11/11/2021		J			5,600 ⁽¹⁰⁾	(10)	(06/06/2029	Common Stock	5,513	\$0	5,513	3	D			
\$31.93 ⁽¹¹⁾	11/11/2021		J			4,200 ⁽¹¹⁾	(11)	(06/18/2030	Common Stock	4,135	\$0	4,135	5	D			
\$0.0 ⁽¹²⁾	11/11/2021		J			7,000 ⁽¹²⁾	(12)		06/15/2031	Common Stock	0.0	\$0	0		D			
	H DANIE (F (EY STREE IDGE, M (S Security (Ins: Stock ⁽¹⁾⁽²⁾⁽³⁾ 2. Conversion or Exercise Price of Derivative security \$2.74 ⁽⁴⁾ \$12.54 ⁽⁵⁾ \$92.14 ⁽⁶⁾ \$23.85 ⁽⁷⁾ \$55.29 ⁽⁸⁾ \$91.2 ⁽⁹⁾ \$60.78 ⁽¹⁰⁾ \$31.93 ⁽¹¹⁾	H DANIEL (First) (First) IDGE, MA (Stock) Ta Stock(1)(2)(3) Stock(1)(3) Stock(1)(3) Stock(1)(3) Stock(1)(3) Stock(1)(3) Stock(1)(3) Stock(1)(3) Stock(1)(3) </td <td>IDANIEL (First) (Middle) (EY STREET (Middle) IDGE, MA 02142 (State) (Zip) Table 1 - Nor Stock⁽¹⁾⁽²⁾⁽³⁾ Stock^{(1)(1)(1)(2)(1) Stock⁽¹⁾⁽¹⁾⁽¹⁾}</td> <td>IDANIEL (First) (Middle) IEY STREET IDGE, MA 02142 (State) (Zip) Table 1- Nor-Dettable Security (Instr. 3) 2. Transa Date Month/Day/Yean) Stock⁽¹⁾⁽²⁾⁽³⁾ 3.1 ransaction Date Price of Derivative Security 3.1 ransaction Date Month/Day/Yean) 3.4 Deemed Execution Date Month/Day/Yean) 4. Transa Date Month/Day/Yean) 2. Orversion of Exercise Price of Security 1.1/11/2021 3. A Deemed Execution Date Month/Day/Yean) 4. Transa Date Month/Day/Yean) 2. 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Explanation of Responses:

1. Represents restricted stock units awarded to the reporting person prior to the separation (the "Separation") of 2seventy bio, Inc. ("2seventy") from bluebird bio, Inc. ("bluebird"). In connection with the Separation, the restricted stock units underlying this award were adjusted pursuant to the the Employee Matters Agreement by and between 2seventy and bluebird (the "EMA") to preserve the value associated with the original restricted stock unit award (see footnotes 2 and 3). This restricted stock unit award was originally granted on June 15, 2021 and vests 100% on the earlier of June 15, 2022 or the date of the next annual meeting of stockholders.

2. bluebird equity awards granted prior to January 1, 2021 were converted into equity awards of both bluebird and 2seventy. The number of shares underlying the converted bluebird equity awards was determined by multiplying the number of shares underlying the existing bluebird equity award by a fraction, the numerator of which is the volume-weighted average trading price of bluebird common stock (trading "regular way") on the five trading days immediately prior to the distribution date (the "bluebird Pre-Distribution VWAP") and the denominator of which is the sum of (1) the volume-weighted average trading price of 2seventy common stock (trading "regular way") on the five trading days immediately following the distribution date (the "bluebird Post-Distribution TWAP").

3. bluebird equity awards granted on or after January 1, 2021, such equity awards continued as bluebird equity awards, subject to adjustment. The adjusted number of shares of bluebird common stock underlying such equity awards is equal to the number of shares of bluebird common stock subject to the equity award immediately prior to the distribution multiplied by a fraction, the numerator of which is the bluebird Pre-Distribution VWAP and the denominator of which is the bluebird Post-Distribution VWAP. 4. Represents options to purchase bluebird common stock awarded to the reporting person prior to the Separation. In connection with the Separation, the shares of common stock underlying this award were adjusted pursuant to the EMA such that the reporting person received options to purchase shares of 2seventy common stock to preserve the value associated with the original award (see footnotes 2 and 3). This option was originally granted on January 16, 2013 and is fully vested and exercisable as of the date hereof. The exercise price of the option has been adjusted based on the conversion ratio described in footnotes 2 and 3.

5. Represents options to purchase bluebird common stock awarded to the reporting person prior to the Separation. In connection with the Separation, the shares of common stock underlying this award were adjusted pursuant to the EMA such that the reporting person received options to purchase shares of 2seventy common stock to preserve the value associated with the original award (see footnotes 2 and 3). This option was originally granted on June 11, 2014 and is fully vested and exercisable as of the date hereof. The exercise price of the option has been adjusted based on the conversion ratio described in footnotes 2 and 3

6. Represents options to purchase bluebird common stock awarded to the reporting person prior to the Separation. In connection with the Separation, the shares of common stock underlying this award were adjusted pursuant to the EMA such that the reporting person received options to purchase shares of 2seventy common stock to preserve the value associated with the original award (see footnotes 2 and 3). This option was originally granted on June 4, 2015 and is fully vested and exercisable as of the date hereof. The exercise price of the option has been adjusted based on the conversion ratio described in footnotes 2 and 3

7. Represents options to purchase bluebird common stock awarded to the reporting person prior to the Separation. In connection with the Separation, the shares of common stock underlying this award were adjusted pursuant to the EMA such that the reporting person received options to purchase shares of 2seventy common stock to preserve the value associated with the original award (see footnotes 2 and 3). This option was originally granted on June 2, 2016 and is fully vested and exercisable as of the date hereof. The exercise price of the option has been adjusted based on the conversion ratio described in footnotes 2 and 3

8. Represents options to purchase bluebird common stock awarded to the reporting person prior to the Separation. In connection with the Separation, the shares of common stock underlying this award were adjusted pursuant to the EMA such that the reporting person received options to purchase shares of 2seventy common stock to preserve the value associated with the original award (see footnotes 2 and 3). This option was originally granted on June 8, 2017 and is fully vested and exercisable as of the date hereof. The exercise price of the option has been adjusted based on the conversion ratio described in footnotes 2 and 3

9. Represents options to purchase bluebird common stock awarded to the reporting person prior to the Separation. In connection with the Separation, the shares of common stock underlying this award were adjusted pursuant to the EMA such that the reporting person received options to purchase shares of 2seventy common stock to preserve the value associated with the original award (see footnotes 2 and 3). This option was originally granted on June 20, 2018 and is fully vested and exercisable as of the date hereof. The exercise price of the option has been adjusted based on the conversion ratio described in footnotes 2 and 3.

10. Represents options to purchase bluebird common stock awarded to the reporting person prior to the Separation. In connection with the Separation, the shares of common stock underlying this award were adjusted pursuant to the EMA such that the reporting person received options to purchase shares of 2seventy common stock to preserve the value associated with the original award (see footnotes 2 and 3). This option was originally granted on June 6, 2019 and is fully vested and exercisable as of the date hereof. The exercise price of the option has been adjusted based on the conversion ratio described in footnotes 2 and 3.

11. Represents options to purchase bluebird common stock awarded to the reporting person prior to the Separation. In connection with the Separation, the shares of common stock underlying this award were adjusted pursuant to the EMA such that the reporting person received options to purchase shares of 2seventy common stock to preserve the value associated with the original award (see footnotes 2 and 3). This option was originally granted on June 18, 2020 and is fully vested and exercisable as of the date hereof. The exercise price of the option has been adjusted based on the conversion ratio described in footnotes 2 and 3.

12. Represents options to purchase bluebird common stock awarded to the reporting person prior to the Separation. In connection with the Separation, the shares of common stock underlying this award were adjusted pursuant to the EMA such that the reporting person received options to purchase shares of 2seventy common stock to preserve the value associated with the original award (see footnotes 2 and 3). This option was originally granted on June 15, 2021 and shall vest 100% on the earlier of June 15, 2022 or the date of the next annual meeting of the stockholders. The exercise price of the option has been adjusted based on the conversion ratio described in footnotes 2 and 3.

Remarks:

/s/ Helen Fu, Attorney-in-Fact 11/17/2021

** Signature of Reporting Person Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

 \ast 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.