FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APP	ROVAL
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Section 16. Form 4 or Form 5	
obligations may continue. See	
Instruction 1(h)	

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

Director Check all applicable Director X Officer (give title below)	10% Owner Other (specify below) cientific Officer roup Filing (Check Applicable One Reporting Person	bluebird bio, Inc. [BLUE] (First) (Middle) LUEBIRD BIO, INC. INEY STREET 4. If Amendment, Date of Original Filed (Month/Day/Year) 02/05/2018 (Check all applicable) Director 10% Owner X Officer (give title below) Chief Scientific Officer 4. If Amendment, Date of Original Filed (Month/Day/Year) 02/05/2018 4. If Amendment, Date of Original Filed (Month/Day/Year) 02/05/2018 5. Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting						_								
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Explanation of Responses:

- $1. \ Restricted \ stock \ units for \ common \ stock \ vest \ over \ a \ two-year \ period \ at \ a \ rate \ of \ 50\% \ on \ 01/04/2019 \ and \ 50\% \ on \ 01/04/2020.$
- 2. This Form 4 amendment is being filed to report the award of 7,500 restricted stock units which was inadvertently omitted from the original Form 4 filed by the reporting person on February 5, 2018. These shares were omitted from two Form 4s filed by the reporting person on March 5, 2018 and April 4, 2018, after the filing of this original Form 4.

Remarks:

/s/ Jason F. Cole, Attorney-in-Fact 04/11/2018

** 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.