

SCHEDULE 13G

Under the Securities Exchange Act of 1934

(Amendment No. 1)\*

bluebird bio, Inc.  
(Name of Issuer)

Common Stock  
(Title of Class of Securities)

09609G100  
(CUSIP Number)

December 31, 2018  
(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- Rule 13d-1(b)  
 Rule 13d-1(c)  
 Rule 13d-1(d)

\*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

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1 NAMES OF REPORTING PERSONS  
I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)  
The Growth Fund of America

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)

(a)

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

Maryland

5 SOLE VOTING POWER

NONE

6 SHARED VOTING POWER

NONE

NUMBER OF  
SHARES  
BENEFICIA  
L Y OWNED BY

7 SOLE DISPOSITIVE POWER

NONE

EACH  
REPORTING  
PERSON  
WITH:

8 SHARED DISPOSITIVE POWER

NONE

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

5,195,960 See Additional information in Item 4.  
Under certain circumstances, The Growth Fund of America may vote the  
shares of the fund. These shares may also be reflected in a filing  
made by Capital Research Global Investors, Capital International  
Investors, and/or Capital World Investors

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES  
(SEE INSTRUCTIONS)

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9

9.4%

12 TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)

IV

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SECURITIES AND EXCHANGE COMMISSION  
Washington, DC 20549

Schedule 13G  
Under the Securities Exchange Act of 1934

Amendment No. 1

Item 1(a) Name of Issuer:  
bluebird bio, Inc.

Item 1(b) Address of Issuer's Principal Executive Offices:  
60 Binney Street  
Cambridge, MA 02142

Item 2(a) Name of Person(s) Filing:  
The Growth Fund of America

Item 2(b) Address of Principal Business Office or, if none,  
Residence:  
6455 Irvine Center Drive  
Irvine, California 92618

Item 2(c) Citizenship: N/A

Item 2(d) Title of Class of Securities:  
Common Stock

Item 2(e) CUSIP Number:  
09609G100

Item 3 If this statement is filed pursuant to sections 240.13d-1(b)  
or 240.13d-2(b) or (c), check whether the person filing is a:  
(d)  Investment company registered under section 8  
of the Investment Company Act of 1940 (15 U.S.C. 80a-8).

Item 4 Ownership

Provide the following information regarding the aggregate  
number and percentage of the class of securities of the issuer  
identified in Item 1.

- (a) Amount beneficially owned:
- (b) Percent of class:
- (c) Number of shares as to which the person has:
  - (i) Sole power to vote or to direct the vote:
  - (ii) Shared power to vote or to direct the vote:
  - (iii) Sole power to dispose or to direct the disposition of:
  - (iv) Shared power to dispose or to direct the disposition of:

See page 2

The Growth Fund of America, an investment company registered  
under the Investment Company Act of 1940, which is advised by  
Capital Research and Management Company ("CRMC"), is the  
beneficial owner of 5,195,960 shares or 9.4% of the 54,694,411  
shares believed to be outstanding. CRMC manages equity assets  
for various investment companies through three divisions,  
Capital Research Global Investors, Capital World Investors, and

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Capital International Investors. These divisions generally  
function separately from each other with respect to investment  
research activities and they make investment decisions and  
proxy voting decisions for the investment companies on a  
separate basis.

Item 5 Ownership of Five Percent or Less of a Class. If this  
statement is being filed to report the fact that as of the date  
hereof the reporting person has ceased to be the beneficial  
owner of more than five percent of the class of securities,  
check the following: [ ]

Item 6 Ownership of More than Five Percent on Behalf of Another  
Person: N/A

Item 7 Identification and Classification of the Subsidiary Which  
Acquired the Security Being Reported on By the Parent Holding  
Company or Control Person: N/A

Item 8 Identification and Classification of Members of the Group:  
N/A

Item 9 Notice of Dissolution of Group: N/A

Item 10 Certification

By signing below, I certify that, to the best of my knowledge  
and belief, the securities referred to above were acquired and

are held in the ordinary course of business and were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

Signature

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Date: February 8, 2019

Signature: /s/ Michael W. Stockton  
Name/Title: Michael W. Stockton - Secretary  
The Growth Fund of America

