



UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, D.C. 20549

DIVISION OF  
CORPORATION FINANCE

March 2, 2020

Jason F. Cole  
Chief Operating and Legal Officer  
bluebird bio, Inc.  
60 Binney Street,  
Cambridge, MA 02142

**Re: bluebird bio, Inc.  
Form 8-K  
Exhibit No. 10.1  
Filed January 21, 2020  
File No. 001-35966**

Dear Mr. Cole:

We have concluded our assessment of your redacted exhibit for compliance with applicable form requirements and will process your supplemental response and related materials in accordance with your request.

Sincerely,

Division of Corporation Finance