

May 15, 2023

Andrew Obenshain  
President and Chief Executive Officer  
bluebird bio, Inc.  
455 Grand Union Boulevard  
Somerville, MA 02145

Re: bluebird bio, Inc.  
Registration

Statement on Form S-3

Filed May 9, 2023  
File No. 333-271772

Dear Andrew Obenshain:

This is to advise you that we have not reviewed and will not review your registration statement.

Please refer to Rules 460 and 461 regarding requests for acceleration. We remind you that the company and its management are responsible for the accuracy and adequacy of their disclosures, notwithstanding any review, comments, action or absence of action by the staff.

Please contact Alan Campbell at 202-551-4224 with any questions.

Sincerely,

Division of Corporation Finance  
Office of Life Sciences

cc:

Wesley C. Holmes, Esq.