

May 5, 2021

William Clark  
President and Chief Executive Officer  
GENOCEA BIOSCIENCES, INC.  
100 Acorn Park Drive, 5th Floor  
Cambridge, MA 02140

BIOSCIENCES, INC.  
Statement on Form S-3  
2021

Re: GENOCEA  
Registration  
Filed April 29,  
File No. 333-255610

Dear Mr. Clark:

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 Jeffrey Gabor at 202-551-2544 with any questions.

Sincerely,

Division of Corporation Finance  
Office of Life Sciences

cc:  
Esq.

Marc A. Rubenstein,