

July 3, 2019

Geoff MacKay  
President and Chief Executive Officer  
AVROBIO, Inc.  
One Kendall Square  
Building 300, Suite 201  
Cambridge, MA 02139

Re: AVROBIO, Inc.  
Registration Statement on Form S-3  
Filed July 1, 2019  
File No. 333-232489

Dear Mr. MacKay:

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 Irene Paik at 202-551-6553 with any questions.

Sincerely,

Division of

Office of

Corporation Finance

Healthcare & Insurance

cc: James Xu - Goodwin Procter LLP