

June 6, 2019

Nagesh K. Mahanthappa  
Chief Executive Officer  
Scholar Rock Holding Corporation  
620 Memorial Drive, 2nd Floor  
Cambridge, MA 02139

Re: Scholar Rock Holding Corporation  
Registration Statement on Form S-3  
Filed June 3, 2019  
File No. 333-231920

Dear Mr. Mahanthappa:

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 Donald Field at 202-551-3680 with any questions.

Sincerely,

Division of

Office of

Corporation Finance  
Healthcare & Insurance