



DIVISION OF  
CORPORATION FINANCE

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

June 10, 2020

Kevin Lee, Ph.D., MBA  
Chief Executive Officer  
BICYCLE THERAPEUTICS PLC  
B900, Babraham Research Campus  
Cambridge CB22 3AT  
United Kingdom

**Re: BICYCLE THERAPEUTICS PLC**  
**Registration Statement on Form S-3**  
**Filed June 5, 2020**  
**File No. 333-238996**

Dear Dr. Lee:

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: Jaime L. Chase, Esq.