



DIVISION OF  
CORPORATION FINANCE

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

April 7, 2023

Gerald Quirk  
Chief Legal Officer  
Syros Pharmaceuticals, Inc.  
35 Cambridge Park Drive, 4th Floor  
Cambridge, MA 02140

**Re: Syros Pharmaceuticals, Inc.**  
**Registration Statement on Form S-3**  
**Filed April 6, 2023**  
**File No. 333-271160**

Dear Gerald Quirk:

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 Jimmy McNamara at 202-551-7349 with any questions.

Sincerely,

Division of Corporation Finance  
Office of Life Sciences

cc: Cynthia T. Mazareas