

January 14, 2021

**VIA EDGAR SUBMISSION**

Securities and Exchange Commission  
Division of Corporation Finance  
100 F Street, NE  
Washington, DC 20549

Attention: Alan Campbell

Re: Syros Pharmaceuticals, Inc,  
Registration Statement on Form S-3  
File No. 333-251941  
Request for Acceleration

Ladies and Gentlemen:

Pursuant to Rule 461 under the Securities Act of 1933, as amended, Syros Pharmaceuticals, Inc. (the "Company") hereby requests acceleration of the effective date of its Registration Statement on Form S-3 (File No. 333-251941), so that it may become effective at 9:00 a.m., Eastern Time, on January 19, 2021, or as soon as practicable thereafter.

Very truly yours,

SYROS PHARMACEUTICALS, INC.

By: /s/ Gerald E. Quirk

Name: Gerald E. Quirk

Title: Chief Legal & Administrative Officer