

**SYNLOGIC, INC.**  
**301 Binney Street, Suite 402**  
**Cambridge, Massachusetts 02142**

July 29, 2021

VIA EDGAR

U.S. Securities and Exchange Commission  
Division of Corporation Finance  
100 F Street, N.E.  
Washington, D.C. 20549  
Attention: Ms. Abby Adams

**Re: Synlogic, Inc.**  
**Registration Statement on Form S-3**  
**Filed July 23, 2021**  
**File No. 333- 258151 (the "Registration Statement")**  
**Acceleration Request**

Ladies and Gentlemen:

In accordance with Rule 461 of Regulation C promulgated under the Securities Act of 1933, as amended, Synlogic, Inc. (the "Registrant") hereby respectfully requests that the Securities and Exchange Commission accelerate the effective date of the above-referenced Registration Statement to Friday, July 30, 2021, at 4:01 p.m., Eastern Time, or as soon as thereafter practicable.

The cooperation of the staff in meeting the timetable described above is very much appreciated.

Please contact Daniel A. Bagliebter of Mintz, Levin, Cohn, Ferris, Glovsky and Popeo, P.C., counsel to the Registrant, at (212) 692-6856 with any questions regarding this request.

Very truly yours,

SYNLOGIC, INC.

/s/ Gregg Beloff

Gregg Beloff  
Interim Chief Financial Officer

cc: Mintz, Levin, Cohn, Ferris, Glovsky and Popeo, P.C.  
Matthew J. Gardella, Esq.  
Daniel A. Bagliebter, Esq.