



DIVISION OF  
CORPORATION FINANCE

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

June 4, 2019

Keith Leonard, Jr.  
Chief Executive Officer  
Unity Biotechnology, Inc.  
3280 Bayshore Blvd, Suite 100  
Brisbane, CA 94005

**Re: Unity Biotechnology, Inc.**  
**Registration Statement on Form S-3**  
**Filed June 3, 2019**  
**File No. 333-231893**

Dear Mr. Leonard:

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 Sonia Bednarowski at 202-551-3666 with any questions.

Sincerely,

Division of Corporation Finance  
Office of Healthcare & Insurance