

March 4, 2020

Andrew McDonald  
Chief Executive Officer  
LifeSci Acquisition Corp.  
250 W 55th Street, #3401  
New York, NY 10019

Re: LifeSci Acquisition Corp.  
Amendment No. 2 to Registration Statement on Form S-1  
Filed March 3, 2020  
File No. 333-236466

Dear Mr. McDonald:

We have reviewed your amended registration statement and have the following comment. In our comment, we may ask you to provide us with information so we may better understand your disclosure.

Please respond to this letter by amending your registration statement and providing the requested information. If you do not believe our comment applies to your facts and circumstances or do not believe an amendment is appropriate, please tell us why in your response.

After reviewing any amendment to your registration statement and the information you provide in response to this comment, we may have additional comments.

Form S-1/A

Exhibits

1. Please reconcile the exclusive forum provision in exhibit 3.2 with your disclosure on page 81 or advise.

Andrew McDonald  
FirstName LastNameAndrew McDonald  
LifeSci Acquisition Corp.  
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FirstName LastName

You may contact Jeffrey Lewis at 202-551-6216 or Kristina Marrone at 202-551-3429 if you have questions regarding comments on the financial statements and related matters. Please contact Ronald (Ron) Alper at 202-551-3329 or Brigitte Lippmann at 202-551-3713 with any other questions.

Sincerely,

Division of

Office of Real Estate

Corporation Finance

& Construction

cc: Giovanni Caruso