



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

DIVISION OF  
CORPORATION FINANCE

June 16, 2020

Panna Sharma  
Chief Executive Officer  
Lantern Pharma Inc.  
1920 McKinney Avenue, 7<sup>th</sup> Floor  
Dallas, Texas 75201

**Re: Lantern Pharma Inc.  
Registration Statement on Form S-1  
Exhibit Nos. 10.9, 10.10, 10.11, 10.12, 10.13 and 10.14  
Filed April 16, 2020  
File No. 333-237714**

Dear Mr. Sharma:

We have concluded our assessment of your redacted exhibits for compliance with applicable form requirements and will process your supplemental response and related materials in accordance with your request.

Sincerely,

Division of Corporation Finance