



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

DIVISION OF  
CORPORATION FINANCE

Mail Stop 3030

October 20, 2016

Chih-Hsiang (Thompson) Lin, Ph.D.  
Chief Executive Officer  
Applied Optoelectronics, Inc.  
13139 Jess Pirtle Blvd.  
Sugar Land, TX 77478

**Re: Applied Optoelectronics, Inc.  
Registration Statement on Form S-3  
Filed October 17, 2016  
File No. 333-214146**

Dear Dr. Lin:

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 Tim Buchmiller at (202) 551-3635 with any questions.

Sincerely,

/s/ Tim Buchmiller for

Amanda Ravitz  
Assistant Director  
Office of Electronics and Machinery

cc: Frank Wu, Esq.  
Haynes and Boone, LLP