



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

DIVISION OF  
CORPORATION FINANCE

Mail Stop 3030

November 23, 2016

Via E-Mail

Chris Diorio, Ph.D.  
Chief Executive Officer  
Impinj, Inc.  
400 Fairview Avenue North, Suite 1200  
Seattle, Washington 98109

**Re: Impinj, Inc.  
Registration Statement on Form S-1  
Filed November 17, 2016  
File No. 333-214686**

Dear Dr. Diorio:

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 Laurie Abbott at (202) 551-8071 with any questions.

Sincerely,

/s/ Laurie Abbott for

Amanda Ravitz  
Assistant Director  
Office of Electronics and Machinery

cc: Michael Nordtvedt, Esq.  
Wilson Sonsini Goodrich & Rosati, P.C.