



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

DIVISION OF  
CORPORATION FINANCE

Mail Stop 4546

August 4, 2017

Via E-mail

Ms. Valerie Palmieri  
President and Chief Executive Officer  
Vermillion, Inc.  
12117 Bee Caves Road, Building Three, Suite 100  
Austin, TX 78738

**Re: Vermillion, Inc.**  
**Form 10-K for the Year Ended December 31, 2016**  
**Filed March 31, 2017**  
**File No. 001-34810**

Dear Ms. Palmieri:

We have completed our review of your filings. 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.

Sincerely,

/s/ Sharon M. Blume

Sharon M. Blume  
Accounting Branch Chief  
Office of Healthcare and Insurance