



DIVISION OF  
CORPORATION FINANCE

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

March 8, 2012

By E-Mail

Robert Claassen, Esq.  
Paul Hastings LLP  
1117 S. California Avenue  
Palo Alto, CA 94304

**Re: Vermillion, Inc.**  
**Soliciting Material filed under Rule 14a-12**  
**Filed March 7, 2012**  
**File No. 1-34810**

Dear Mr. Claassen:

We have reviewed your filing and have the following comments. In some of our comments, we may ask you to provide us with information so we may better understand your disclosure.

Please respond to this letter by amending your filing, by providing the requested information, or by advising us when you will provide the requested response. If you do not believe our comments apply 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 filing and the information you provide in response to these comments, we may have additional comments.

Soliciting Material filed under Rule 14a-12

1. We note that the issuer's experience with Mr. Goggin is limited to his participation in an unsuccessful legal action against the Company and its board relating to corporate governance matters. Please revise to include a general description of the nature of the claim, the relief requested, the court involved, and the disposition.
2. We note you indicate that a description of direct and indirect interests will be contained in disclosure documents to be filed later. Please note that although participants relying upon Rule 14a-12 may refer to participant information provided in another filed document, the information must be available, current, and on file for review by security holders at the time the Rule 14a-12 materials are made publicly available. Participants may not refer to participant information to be provided at some future time such as the proxy statement. Refer to Rule 14a-12(a)(1)(i) and Exchange Act Release No. 42055, October 22, 1999, at

Section II.C.1.b. In future filings, please revise to describe any direct or indirect interests.

We urge all persons who are responsible for the accuracy and adequacy of the disclosure in the filings to be certain that the filing includes the information the Securities Exchange Act of 1934 and all applicable Exchange Act rules require. Since the company and its management are in possession of all facts relating to the disclosure, they are responsible for the accuracy and adequacy of the disclosures they have made.

In responding to our comments, please provide a written statement from the company acknowledging that:

- the company is responsible for the adequacy and accuracy of the disclosure in the filing;
- staff comments or changes to disclosure in response to staff comments do not foreclose the Commission from taking any action with respect to the filing; and
- the company may not assert staff comments as a defense in any proceeding initiated by the Commission or any person under the federal securities laws of the United States.

Please direct any questions to me at (202) 551-3411. You may also contact me via facsimile at (202) 772-9203. Please send all correspondence to us at the following ZIP code: 20549-3628.

Sincerely,

/s/ Peggy Kim

Peggy Kim  
Special Counsel  
Office of Mergers & Acquisitions