

Via Facsimile and U.S. Mail  
Mail Stop 4720

February 2, 2010

J. David Boyle II  
Senior Vice President and Chief Financial Officer  
AVI BioPharma, Inc.  
3450 Monte Villa Parkway, Suite 101  
Bothel, Washington 98021

**Re: AVI BioPharma, Inc.  
Form 10-K for the Fiscal Year Ended December 31, 2008  
Schedule 14A filed April 14, 2009  
File Number: 001-14895**

Dear Mr. Boyle:

We have reviewed your letter dated January 20, 2010 and have the following comments. We have limited our review of your filings to those issues we have addressed in our comments. In our comments, we ask you to provide us with information to better understand your disclosures. Where a comment requests you to revise disclosure, the information you provide should show us what the revised disclosure will look like and identify the annual or quarterly filing, as applicable, in which you intend to first include it. If you do not believe that revised disclosure is necessary, explain the reason in your response. After reviewing the information provided, we may raise additional comments and/or request that you amend your filings.

Please understand that the purpose of our review process is to assist you in your compliance with the applicable disclosure requirements and to enhance the overall disclosure in your filings. We look forward to working with you in these respects. We welcome any questions you may have about our comments or on any other aspect of our review. Feel free to call us at the telephone numbers listed at the end of this letter.

**Form 10-K for the Fiscal Year Ended December 31, 2008**

Item 1. Business  
Strategic Alliances, page 5

1. We note your response to our prior comment 1. With respect to several of the agreements, you describe the royalty as a “double-digit” royalty. Since double-digit could be anywhere from 10% to 99%, please revise your proposed disclosure to provide a narrower range of royalties (for example, low teens or high teens).

Also, the termination of several of the agreements depends on part on the expiration of the last to expire patent. Please revise your proposed disclosure to provide an indication of the year in which the last patent for the applicable agreement will expire.

**Schedule 14A filed April 14, 2009**

Executive Compensation  
Compensation Discussion and Analysis  
Performance Factors in 2008, page 12

2. Your response to our prior comment 3 indicates that you will quantify the achievement of goals/milestones, to the extent those are quantifiable, “except where, consistent with Instruction 4 to Item 402(b) of Regulation S-K, disclosure of which would result in competitive harm for the Company.” Please provide us with a detailed analysis supporting your belief that quantification of any of the goals/milestones would result in competitive harm to the Company.

\* \* \* \*

Please provide us the information requested within 10 business days or tell us when you will provide us with a response. Please furnish a cover letter with your response that keys your response to our comments. Detailed cover letters greatly facilitate our review. Please furnish your letter on EDGAR under the form type label CORRESP.

Please contact Sebastian Gomez Abero at (202) 551-3578 or me at (202) 551-3715 with any questions.

Sincerely,

Jeffrey P. Riedler  
Assistant Director