

Mail Stop 6010
Via Facsimile and U.S. Mail

December 3, 2007

Mr. Jean-Pierre Sommadossi
Chairman and Chief Executive Officer
Idenix Pharmaceuticals, Inc.
60 Hampshire Street
Cambridge, Massachusetts 02139

**Re: Idenix Pharmaceuticals, Inc.
Form 10-K for fiscal year ended December 31, 2006
File No. 000-49839**

Dear Mr. Sommadossi:

We have limited our review of your filing to those issues we have addressed in our comment. In our comment, we ask you to provide us with information to better understand your disclosure. Where it 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 filing.

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 filing. We look forward to working with you in these respects. We welcome any questions you may have about our comments or 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 Fiscal Year Ended December 31, 2006

Notes to the Consolidated Financial Statements

3. Novartis Relationship, page 81

1. You do not appear to have specifically associated a cash flow stream with your participation in several committees defined within the Agreement nor does your revenue recognition policy in Note 2 appear to attribute revenue to these obligations. Please disclose the nature and duration of your committee responsibilities and why you have not attributed revenue to this participation.

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Please respond to the comment within 10 business days or tell us when you will provide us with a response. Your letter should key your response to our comment. Detailed cover letters greatly facilitate our review. Please furnish your letter on EDGAR under the form type label CORRESP.

We urge all persons who are responsible for the accuracy and adequacy of the disclosure in the filing to be certain that the filing includes all information required under the Securities Exchange Act of 1934 and that they have provided all information investors require for an informed investment decision. Since the company and its management are in possession of all facts relating to a company's disclosure, they are responsible for the accuracy and adequacy of the disclosures they have made.

In connection with responding to our comments, please provide, in your letter, a statement from the company acknowledging that:

- the company is responsible for the adequacy and accuracy of the disclosure in the filings;
- 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.

In addition, please be advised that the Division of Enforcement has access to all information you provide to the staff of the Division of Corporation Finance in our review of your filing or in response to our comments on your filing.

You may contact Frank Wyman, Staff Accountant, at 202-551-3660 or Don Abbott, Senior Staff Accountant, at 202-551-3608, if you have questions regarding the comment. In this regard, do not hesitate to contact me, at (202) 551-3679.

Sincerely,

Jim B. Rosenberg
Senior Assistant Chief Accountant