

Via Facsimile and U.S. Mail  
Mail Stop 4720

May 21, 2009

Mr. Christopher Anzalone  
Chief Executive Officer, President and Director  
Arrowhead Research Corporation  
201 S. Lake Avenue, Suite 703  
Pasadena, California 91101

**Re: Arrowhead Research Corporation**  
**Form 10-K for the Fiscal Year Ended September 30, 2008**  
**File No. 000-21898**

Dear Mr. Anzalone:

We have completed our review of your Form 10-K and related filings and have no further comments at this time.

Sincerely,

Carlton E. Tartar  
Branch Chief