

Mail Stop 4720

March 4, 2010

Uli Hacksell, Ph.D.  
Chief Executive Officer  
ACADIA Pharmaceuticals Inc.  
3911 Sorrento Valley Boulevard  
San Diego, CA 92121

**Re: ACADIA Pharmaceuticals Inc.  
Form 10-K for the year ended 12/31/2008  
Filed March 10, 2009  
File No. 000-50768**

Dear Dr Hacksell:

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

Sincerely,

Jeffrey P. Riedler  
Assistant Director

cc: D. Bradley Peck  
J. Patrick Loofbourrow  
Cooley Godward Kronish LLP  
4401 Eastgate Mall  
San Diego, CA 92121  
Fax: 858-550-6420