Via Facsimile and U.S. Mail Mail Stop 4720

March 10, 2010

Stephen Anderson Chief Financial Officer and Secretary OncoGenex Pharmaceuticals, Inc. 1522 217th Place SE, Suite 100 Bothell, WA 98021

Re: OncoGenex Pharmaceuticals, Inc.

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

Definitive Proxy Statement filed on Schedule 14A

File Number: 033-80623

Dear Mr. Anderson,

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

Sincerely,

Gus Rodriguez Accounting Branch Chief