



UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, D.C. 20549

DIVISION OF  
CORPORATION FINANCE

April 11, 2011

Mr. Thomas G. Howitt  
Chief Financial Officer  
Genetic Technologies Limited  
60-66 Hanover Street  
Fitzroy, Victoria, 3065, Australia

**Re: Genetic Technologies Limited**  
**Form 20-F for the Year Ended June 30, 2010**  
**Filed on December 21, 2010**  
**File No. 000-51504**

Dear Mr. Howitt:

We have completed our review of your filing and do not have any further comments at this time.

Sincerely,

Gus Rodriguez  
Accounting Branch Chief