

Mail Stop 6010

April 8, 2009

Simon Pedder, Ph.D.  
President, Chief Executive Officer and Director  
Chelsea Therapeutics International, Ltd.  
3530 Toringdon Way, Suite 200,  
Charlotte, North Carolina 28277

**Re: Chelsea Therapeutics International, Ltd.  
Preliminary Proxy Statement on Form PRE14A  
Filed April 1, 2009  
File No. 000-51462**

Dear Dr. Pedder:

We have completed our review of your Preliminary Proxy Statement on Form PRE14A and have no further comments at this time.

Sincerely,

Jeffrey Riedler,  
Assistant Director