



DIVISION OF  
CORPORATION FINANCE

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

October 20, 2010

James A. Bianco  
Chief Executive Officer  
Cell Therapeutics, Inc.  
501 Elliott Avenue West, Suite 400  
Seattle, WA 98119

**Re: Cell Therapeutics, Inc.**  
**Form 10-K for the year ended December 31, 2009**  
**File No. 1-12465**

Dear Mr. Bianco:

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

Sincerely,

Gus Rodriguez  
Accounting Branch Chief