

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

January 25, 2011

Mr. Jon P. Stonehouse President and Chief Executive Officer Biocryst Pharmaceuticals, Inc. 2190 Parkway Lane Drive Birmingham, AL 35244

Re: Biocryst Pharmaceuticals, Inc.

Form 10-K for the year ended December 31, 2009

Filed March 9, 2010

**Definitive Proxy Statement on Schedule 14A** 

Filed April 6, 2010 File No. 000-23186

Dear Mr. Stonehouse:

We have completed our review of the above filing and have no further comments at this time.

Sincerely,

Jeffrey P. Riedler Assistant Director