



DIVISION OF
CORPORATION FINANCE

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