

BioCryst Pharmaceuticals, Inc.  
4505 Emperor Blvd., Suite 200  
Durham, North Carolina 27703  
(919) 859-1302

June 8, 2017

VIA EDGAR

Securities and Exchange Commission  
Division of Corporation Finance  
100 F Street, N.E.  
Washington, DC 20549  
Attn: Chris Edwards

**Re:    *BioCryst Pharmaceuticals, Inc.***  
***Registration Statement on Form S-3***  
***Filed May 10, 2017***  
***File No. 333-217859***

Ladies and Gentlemen:

Pursuant to Rule 461 promulgated under the Securities Act of 1933, as amended, BioCryst Pharmaceuticals, Inc., a Delaware corporation (the "Company"), hereby respectfully requests that the effective time of the above referenced Registration Statement on Form S-3 filed by the Company (the "Registration Statement") be accelerated to 4:00 p.m., Eastern Daylight Time, on June 12, 2017 or as soon thereafter as practicable.

[Signature page follows]

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Very truly yours,

BioCryst Pharmaceuticals, Inc.

/s/ Alane Barnes

Alane Barnes

Vice President, General Counsel and Corporate Secretary

cc: Robyn Zolman, Gibson, Dunn & Crutcher LLP

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