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SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, D.C. 20549

**FORM 8-K**

CURRENT REPORT  
PURSUANT TO SECTION 13 OR 15(D)  
OF THE SECURITIES EXCHANGE ACT OF 1934

Date of Report (Date of earliest event reported): January 6, 2011

**BioCryst Pharmaceuticals, Inc.**  
*(Exact Name of Registrant as Specified in Charter)*

**Delaware**  
*(State or other jurisdiction  
of incorporation)*

**000-23186**  
*(Commission  
File Number)*

**62-1413174**  
*(IRS Employer  
Identification #)*

**4505 Emperor Blvd., Suite 200 Durham, North Carolina 27703**  
*(Address of Principal Executive Office)*

**(919) 859-1302**  
*(Registrant's telephone number, including area code)*

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2 below):

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
  - Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
  - Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 210.14d-2(b))
  - Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))
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**Item 5.02 Departure of Directors or Certain Officers; Election of Directors; Appointment of Certain Officers; Compensatory Arrangements of Certain Officers.**

On January 6, 2011 J. Michael Mills, the Controller and Principal Accounting Officer of BioCryst Pharmaceuticals, Inc. (the "Company"), tendered his resignation from employment with the Company, effective February 18, 2011. His resignation was prompted by the recent relocation of the Company's headquarters to Durham, North Carolina.

The Company expects that Mr. Mills will continue to assist through the year end process and will continue to provide the Company with the SEC regulatory support. The Company has begun the recruiting process and plans to hire its new Controller and Principal Accounting Officer at the Company headquarters in Durham, North Carolina.

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## SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

Dated: January 12, 2011

BioCryst Pharmaceuticals, Inc.

By: \_\_\_\_\_ /s/ Alane Barnes  
Alane Barnes  
General Counsel, Corporate Secretary