FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

| l | OMB APPRO              | DVAL      |
|---|------------------------|-----------|
|   | OMB Number:            | 3235-0287 |
|   | Estimated average burd | len       |
| l | hours per response:    | 0.5       |

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

| Name and Address of Reporting Person*     Grant Stuart     |  |     |                     |         | <u>BI</u>  | 2. Issuer Name and Ticker or Trading Symbol BIOCRYST PHARMACEUTICALS INC [ BCRX ] |         |  |   |             |   |         |                           |  | neck all a<br>Dir  | hip of Reportir<br>pplicable)<br>ector<br>ficer (give title       |   | Issuer Owner r (specify |  |
|--|--|-----|---------------------|---------|--|---|---------|--|---|-------------|---|---------|---------------------------|--|--|---|---|-------------------------|--|
| (Last) (First) (Middle) 2190 PARKWAY LAKE DRIVE            |  |     |                     |         | 3. Date of Earliest Transaction (Month/Day/Year) 12/31/2009                  |   |         |  |   |             |   |         |                           |  | X Officer (give title Other (specify below)  SR VP & CFO   |   |   |                         |  |
| (Street) BIRMINGHAM AL 35244- (City) (State) (Zip)         |  |     |                     | 4. If   | 4. If Amendment, Date of Original Filed (Month/Day/Year)                     |   |         |  |   |             |   |         | 6.<br>Lir                 | e)<br>X Fo   | ´  |   |   |                         |  |
|  |  | Tak | le I - No           | n-Deriv | ative  | Se  | curitie | s Ac   | quired,   | Dis         | posed o   | f, or   | Bene                      | eficia   | lly Ow   | ned   |   |                         |  |
| 1. Title of Security (Instr. 3)  2. Transac Date (Month/Da |  |     |                     |         |  | Execution Date,   |         |  | 3. Transaction Code (Instr. 8)  4. Securities Acquired (A Disposed Of (D) (Instr. 3, 5) |             |   |         | (A) or<br>3, 4 an         | d Seci<br>Ben<br>Owr                               | mount of<br>urities<br>eficially<br>led Following<br>orted | 6. Ownership<br>Form: Direct<br>(D) or Indirect<br>(I) (Instr. 4) | 7. Nature<br>of Indirect<br>Beneficial<br>Ownership<br>(Instr. 4) |                         |  |
|  |  |     |                     |         |  | Code  | v       | Amount   | (   | A) or<br>D) | Price   | Tran    | saction(s)<br>r. 3 and 4) |  | (instr. 4)   |   |   |                         |  |
| Common Stock 12/31/2                                       |  |     |                     |         |  |   | 2009    |  | F   |             | 7,812 <sup>(</sup>  | 1) D \$ |                           | \$6.4  | 26,027   |   | D   |                         |  |
|  |  | Т   | able II - I         |         |  |   |         |  |   |             | sed of,<br>onvertib   |         |                           |  | Owne   | d   |   |                         |  |
| 1. Title of<br>Derivative<br>Security<br>(Instr. 3)        | 2. Conversion or Exercise Price of Derivative Security  3. Transaction Date (Month/Day/Year)  (Month/Day/Year)  3. Transaction Date (Execution Date, if any (Month/Day/Year) |     | n Date,<br>ay/Year) |         | of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) |   |         | 6. Date Exercisable and Expiration Date (Month/Day/Year)  Date Expiration Exercisable Date |   |             | 7. Title and Amount of Securities Underlying Derivative Security (Instr. and 4)  Amoun or Numbe of Title Shares |         |                           | 8. Price o<br>Derivativo<br>Security<br>(Instr. 5) |  | Ownershi<br>Form:<br>Direct (D)<br>or Indirect<br>(I) (Instr. 4   | Beneficial<br>Ownership<br>(Instr. 4)                             |                         |  |

## Explanation of Responses:

Withholding of stock to satisfy tax withholding obligation.

/s/ Michael Richardson, by power of attorney

01/04/2010

\*\* Signature of Reporting Person

Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

- $^{\star}$  If the form is filed by more than one reporting person, see Instruction 4 (b)(v).
- \*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.