FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

|   | OMB APPRO               | VAL       |  |  |  |  |
|---|-------------------------|-----------|--|--|--|--|
|   | OMB Number:             | 3235-0287 |  |  |  |  |
|   | Estimated average burde | en        |  |  |  |  |
| 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

| 1. Name and Address of Reporting Person*  McCullough David    |   |  |  |         |   | 2. Issuer Name and Ticker or Trading Symbol BIOCRYST PHARMACEUTICALS INC |          |      |  |      |           |   |  | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable)  |   |   |  |   |  |
|---|---|--|--|---------|---|--|----------|------|--|------|-----------|---|--|--|---|---|--|---|--|
| McCullough David  |   |  |  |         |   | BCRX ]   |          |      |  |      |           |   |  | Directo  | r<br>(give title  |   | 10% Ow<br>Other (s   |   |  |
| (Last) (First) (Middle)                                       |   |  |  |         |   |  |          |      |  |      |           | _   | x below)                                     | (give title  | below)  |   | Decily   |   |  |
|   |   |  |  |         | 3. Date of Earliest Transaction (Month/Day/Year) 05/21/2008 |  |          |      |  |      |           |   |  |  | V   | P                                       |  |   |  |
|   |   |  |  |         | 4. If   | 4. If Amendment, Date of Original Filed (Month/Day/Year)                 |          |      |  |      |           |   |  | 6. Individual or Joint/Group Filing (Check Applicable                    |   |   |  |   |  |
| (Street)  |   |  |  |         |   |  |          |      |  |      |           | - 1   | Line)  |  |   |   |  |   |  |
| BIRMINGHAM  |   | AL 35244                                   |  |         |   |  |          |      |  |      |           |   |  | Form filed by One Reporting Person Form filed by More than One Reporting |   |   |  |   |  |
| (City) (State) (Zip)  |   |  | (Zip)  |         |   |  |          |      |  |      |           |   |  | Person   |   |   |  |   |  |
|   |   | Tal  | ole I - Non  | -Deriv  | ative   | e Se   | curities | s Ac | quired, D  | ispo | osed of   | f, or Ber   | neficial                                     | y Owned  |   |   |  |   |  |
| 1. Title of Security (Instr. 3)  2. Transac Date (Month/Date) |   |  |  |         |   | Execution Date,  |          |      | 3. Transaction Code (Instr. 8) 4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4) 5) |      |           |   | 5. Amou<br>Securitie<br>Beneficia<br>Owned F | s<br>ally<br>following   | Form:<br>(D) or   | rm: Direct<br>or Indirect<br>(Instr. 4) | 7. Nature of<br>Indirect<br>Beneficial<br>Ownership                      |   |  |
|   |   |  |  |         |   |  |          |      | Code V   |      | Amount    | (A) or<br>(D)   | Price  | Reported<br>Transact<br>(Instr. 3 a                                      | tion(s)   |   |  | (Instr. 4)                              |  |
|   |   |  |  |         |   |  |          |      | uired, Dis<br>s, options   |      |           |   |  | Owned  |   |   | ,  |   |  |
| 1. Title of<br>Derivative<br>Security<br>(Instr. 3)           | 2.<br>Conversion<br>or Exercise<br>Price of<br>Derivative<br>Security | 3. Transaction<br>Date<br>(Month/Day/Year) | 3A. Deemed<br>Execution D<br>if any<br>(Month/Day/ | ate, Tr | 4.<br>Transactio<br>Code (Insti                             |  |          |      | 6. Date Exercisable and<br>Expiration Date<br>(Month/Day/Year)                             |      |           | 7. Title and Amount<br>of Securities<br>Underlying<br>Derivative Security<br>(Instr. 3 and 4) |  | 8. Price of<br>Derivative<br>Security<br>(Instr. 5)                      | 9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4) | ly                                      | 10.<br>Ownership<br>Form:<br>Direct (D)<br>or Indirect<br>(I) (Instr. 4) | Beneficial<br>Ownership<br>t (Instr. 4) |  |
|   |   |  |  |         |   |  |          |      | Date   | Ex   | xpiration |   | Amount<br>or<br>Number<br>of                 |  |   |   |  |   |  |
|   |   |  |  | Co      | ode \   | V  | (A)      | (D)  | Exercisable  |      | ate       | Title   | Shares                                       |  |   |   |  |   |  |
| Restricted<br>Stock<br>Award                                  | \$0   | 05/21/2008                                 |  |         | A   |  | 14,439   |      | 12/31/2009 <sup>(1)</sup>  | 05   | 5/21/2018 | Common<br>Stock   | 14,439                                       | \$0  | 14,439  |   | D  |   |  |

## **Explanation of Responses:**

1. Vests 100% on 12/31/2009

Michael Richardson by POA 05/23/2008

\*\* Signature of Reporting Person Date

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

- \* 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.