Mills Mike Form 4 July 24, 2009

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

OMB APPROVAL

OMB 3235-0287 Number:

Expires:

January 31, 2005

0.5

Estimated average

burden hours per response...

10% Owner

if no longer subject to Section 16. Form 4 or Form 5

Check this box

SECURITIES Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

may continue. See Instruction 1(b).

(Print or Type Responses)

(Last)

1. Name and Address of Reporting Person * Mills Mike

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to Issuer

BIOCRYST PHARMACEUTICALS

INC [BCRX]

(Check all applicable)

(First) (Middle) 3. Date of Earliest Transaction

> (Month/Day/Year) 07/23/2009

_X__ Officer (give title Other (specify below) below)

Principal Accounting Officer

2190 PARKWAY LAKE DR

(Street)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check

Director

Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting

Person

BIRMINGHAM, AL 35244

(City)	(State)	Zip) Table	e I - Non-Do	erivative (Securi	ities Acq	uired, Disposed o	of, or Beneficial	ly Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transactio Code (Instr. 8)	4. Securi on(A) or D (D) (Instr. 3,	4 and (A) or	d of	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
Common Stock	07/23/2009		M(1)	1,500	A	\$ 3.26	1,500	D	
Common Stock	07/23/2009		S	1,500	D	\$ 8.26	0	D	
Common Stock							0	D	

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

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(9-02)

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number.

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transacti Code (Instr. 8)	Secu Acqu (A) o Disp (D)	orities aired or osed of r. 3, 4,	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Emp. Stock Option (Right to Buy)	\$ 3.26	07/23/2009		M		1,500	03/14/2009	03/14/2018	Common Stock	1,500
Emp. Stock Option (Right to Buy)	\$ 5.71						01/05/2006	01/05/2015	Common Stock	12,969
Emp. Stock Option (Right to Buy)	\$ 4.34						06/15/2006	06/15/2015	Common Stock	4,000
Emp. Stock Option (Right to Buy)	\$ 12.26						05/17/2007	05/17/2016	Common Stock	7,832
Emp. Stock Option (Right to Buy)	\$ 7.98						05/16/2008	05/16/2017	Common Stock	8,361
Emp. Stock Option (Right to Buy)	\$ 1.2						03/02/2010	03/02/2019	Common Stock	6,000

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Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Mills Mike

2190 PARKWAY LAKE DR Principal Accounting Officer

BIRMINGHAM, AL 35244

Signatures

/s/ Michael Richardson, by power of attorney 07/24/2009

**Signature of Reporting Person Date

Explanation of Responses:

* 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).
- (1) Stock option exercised and shares sold pursuant to a Rule 10b5-1 plan.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

Reporting Owners 3