

Ozeroff Christopher David
Form 3
February 05, 2009

FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL

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INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

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

(Print or Type Responses)

1. Name and Address of Reporting Person *

Â Ozeroff Christopher David
(Last) (First) (Middle)

C/O ARCA BIOPHARMA,
INC.,Â 8001 ARISTA PLACE,
SUITE 200

(Street)

BROOMFIELD,Â COÂ 80021

(City) (State) (Zip)

2. Date of Event Requiring Statement

(Month/Day/Year)
01/27/2009

3. Issuer Name and Ticker or Trading Symbol
ARCA biopharma, Inc. [ABIO]

4. Relationship of Reporting Person(s) to Issuer

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

(Check all applicable)

___ Director ___ 10% Owner
__X__ Officer ___ Other
(give title below) (specify below)
EVP & General Counsel

6. Individual or Joint/Group Filing(Check Applicable Line)
__X__ Form filed by One Reporting Person
___ Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security
(Instr. 4)

2. Amount of Securities Beneficially Owned
(Instr. 4)

3. Ownership Form:
Direct (D)
or Indirect (I)
(Instr. 5)

4. Nature of Indirect Beneficial Ownership
(Instr. 5)

Common Stock

79,388

D Â

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

SEC 1473 (7-02)

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

1. Title of Derivative Security
(Instr. 4)

2. Date Exercisable and Expiration Date
(Month/Day/Year)

3. Title and Amount of Securities Underlying Derivative Security
(Instr. 4)

4. Conversion or Exercise Price of Derivative

5. Ownership Form of Derivative Security:

6. Nature of Indirect Beneficial Ownership
(Instr. 5)

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	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	Security	Direct (D) or Indirect (I) (Instr. 5)	
Option to Purchase Common Stock	Â (1)	01/03/2010	Common Stock	4,101	\$ 0.06	D	Â

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Ozeroff Christopher David C/O ARCA BIOPHARMA, INC. 8001 ARISTA PLACE, SUITE 200 BROOMFIELD,Â COÂ 80021	Â	Â	Â EVP & General Counsel	Â

Signatures

Patrick Wheeler, attorney
in fact

02/05/2009

__Signature of Reporting Person

Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, *see* Instruction 5(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) The options are exercisable immediately.

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