

BENDEKGEY E LEE

Form 5

February 17, 2009

FORM 5**UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549**Check this box if
no longer subject
to Section 16.Form 4 or Form
5 obligations
may continue.See Instruction
1(b).Form 3 Holdings
Reported

Form 4

Transactions

Reported

**ANNUAL STATEMENT OF CHANGES IN 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

OMB APPROVAL

OMB
Number: 3235-0362Expires: January 31,
2005Estimated average
burden hours per
response... 1.01. Name and Address of Reporting Person *
BENDEKGEY E LEE

(Last) (First) (Middle)

201 INDUSTRIAL ROAD, SUITE
310

(Street)

2. Issuer Name and Ticker or Trading
Symbol

ARCA biopharma, Inc. [ABIO]

3. Statement for Issuer's Fiscal Year Ended

(Month/Day/Year)

12/31/2008

4. If Amendment, Date Original
Filed(Month/Day/Year)5. Relationship of Reporting Person(s) to
Issuer

(Check all applicable)

☐ Director ☐ 10% Owner
☒ Officer (give title below) ☐ Other (specify below)

CFO and Treasurer

6. Individual or Joint/Group Reporting

(check applicable line)

SAN CARLOS, CA 94070

☒ Form Filed by One Reporting Person☐ Form Filed by More than One Reporting
Person

(City) (State) (Zip)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned at end of Issuer's Fiscal Year (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
				Amount	(A) or (D)	Price			
Common Stock ⁽¹⁾	02/29/2008	Â	J ⁽²⁾	99	A	\$ 28.39	1,502	D	Â
Common Stock ⁽¹⁾	05/30/2008	Â	J ⁽²⁾	214	A	\$ 13.09	1,502	D	Â
Common Stock ⁽¹⁾	08/29/2008	Â	J ⁽²⁾	334	A	\$ 8.416	1,502	D	Â
Common Stock ⁽¹⁾	11/28/2008	Â	J ⁽²⁾	533	A	\$ 5.268	1,502	D	Â

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

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(9-02)

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. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. of D S B O E I F (I
					(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
BENDEKGEY E LEE 201 INDUSTRIAL ROAD, SUITE 310 SAN CARLOS, CA 94070	Â	Â	Â CFO and Treasurer	Â

Signatures

Lee Bendekgey 02/17/2009
 **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) Purchased through the Employee Stock Purchase Plan pursuant to Rule 16b-3(c) of the Securities Exchange Act of 1934, as amended.

(2) Purchased through the Employee Stock Purchase Plan pursuant to Rule 16b-3(c) of the Securities Exchange Act of 1934, as amended.

Note: File three copies of this Form, one of which must be manually signed. If space provided 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.