

FORMELA JEAN FRANCOIS  
 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 *		2. Date of Event Requiring Statement	3. Issuer Name and Ticker or Trading Symbol	
Â FORMELA JEAN FRANCOIS		(Month/Day/Year)	ARCA biopharma, Inc. [ABIO]	
(Last)	(First)	(Middle)		
C/O ATLAS VENTURE FUND VII, L.P., Â 890 WINTER STREET, SUITE 320			4. Relationship of Reporting Person(s) to Issuer	
(Street)			(Check all applicable)	
WALTHAM, Â MA Â 02451			<input checked="" type="checkbox"/> Director <input checked="" type="checkbox"/> 10% Owner <input type="checkbox"/> Officer <input type="checkbox"/> Other (give title below)    (specify below)	
(City)	(State)	(Zip)	5. If Amendment, Date Original Filed(Month/Day/Year)	
			6. Individual or Joint/Group Filing(Check Applicable Line)	
			<input checked="" type="checkbox"/> Form filed by One Reporting Person	
			<input type="checkbox"/> 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	1,402,163	I	See Footnote <sup>(1)</sup>

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

SEC 1473 (7-02)

**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 control number.**

**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	4. Conversion or Exercise	5. Ownership Form of	6. Nature of Indirect Beneficial Ownership (Instr. 5)
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	Date Exercisable	Expiration Date	(Instr. 4) Title	Amount or Number of Shares	Price of Derivative Security	Derivative Security: Direct (D) or Indirect (I) (Instr. 5)	
Warrant to Purchase Common Stock	Â (2)	10/10/2013	Common Stock	75,449	\$ 9.7406	I	See Footnote (3)

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
FORMELA JEAN FRANCOIS C/O ATLAS VENTURE FUND VII, L.P. 890 WINTER STREET, SUITE 320 WALTHAM, MA 02451	Â X	Â X	Â	Â

## Signatures

Kristen Languerre, 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).

These shares are owned directly by Atlas Venture Fund VII, L.P., or AV VII. As general partner of AV VII, Atlas Venture Associates VII, L.P., or AVA VII LP, may also be deemed to beneficially own these shares. Mr. Formela a partner with Atlas Venture and one of

(1) ARCA's directors may be deemed to beneficially own these shares. Mr. Formela disclaims beneficial ownership of these shares except to the extent of his pecuniary interest therein. Each of AV VII and AVA VII LP disclaims beneficial ownership of the shares except to the extent of its pecuniary interest therein.

(2) This warrant is immediately exercisable.

This warrant is owned directly by Atlas Venture Fund VII, L.P., or AV VII. As general partner of AV VII, Atlas Venture Associates VII, L.P., or AVA VII LP, may also be deemed to beneficially own this warrant. Mr. Formela a partner with Atlas Venture and one of ARCA's

(3) directors may be deemed to beneficially own these shares. Mr. Formela disclaims beneficial ownership of these shares except to the extent of his pecuniary interest therein. Each of AV VII and AVA VII LP disclaims beneficial ownership of the shares except to the extent of its pecuniary interest therein.

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.