ARCA biopharma, Inc. Form 4 September 21, 2016

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL OMB

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Check this box if no longer subject to Section 16. Form 4 or

Form 5 obligations may continue. See Instruction

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

1(b).

(City)

(State)

(Zin)

(Print or Type Responses)

2. Issuer Name and Ticker or Trading Symbol ARCA biopharma, Inc. [ABIO]	5. Relationship of Reporting Person(s) to Issuer			
3. Date of Earliest Transaction	(Check all applicable)			
(Month/Day/Year)	Director 10% Owner			
09/20/2016	X Officer (give title Other (specif			
337-01-03-0	below) below) Chief Operating Officer			
4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check			
Filed(Month/Day/Year)	Applicable Line)			
	X Form filed by One Reporting Person Form filed by More than One Reporting Person			
	Symbol ARCA biopharma, Inc. [ABIO] 3. Date of Earliest Transaction (Month/Day/Year) 09/20/2016 4. If Amendment, Date Original			

(City)	(State) (2	Table	I - Non-De	erivative Securities Ac	quired, Disposed o	f, or Beneficial	ly Owned
1.Title of	2. Transaction Date	2A. Deemed	3.	4. Securities Acquired	5. Amount of	6. Ownership	7. Nature of
Security	(Month/Day/Year)	Execution Date, if	Transactio	n(A) or Disposed of	Securities	Form: Direct	Indirect
(Instr. 3)		any	Code	(D)	Beneficially	(D) or	Beneficial
		(Month/Day/Year)	(Instr. 8)	(Instr. 3, 4 and 5)	Owned	Indirect (I)	Ownership
					Following	(Instr. 4)	(Instr. 4)
				()	Reported		
				(A)	Transaction(s)		
			Codo V	or Amount (D) Price	(Instr. 3 and 4)		
			Code V				
Common				\$			
Stock	09/20/2016		S	714 (1) D 2.89	15,383 <u>(3)</u>	D	
SIUCK				(2)			

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

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

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1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	cisable and	7. Title	e and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transacti	orNumber	Expiration D	ate	Amou	nt of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Under	lying	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securi	ties	(Instr. 5)	Bene
	Derivative				Securities			(Instr.	3 and 4)		Owne
	Security				Acquired						Follo
	·				(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						`
					4, and 5)						
					, ,						
									Amount		
						Date	Expiration		or		
					Exercisable	Date	Title	Number			
						Lacicisable	Date		of		
				Code V	(A) (D)				Shares		

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Keuer Thomas A 11080 CIRCLEPOINT ROAD SUITE 140 WESTMINSTER, CO 80020

Chief Operating Officer

Signatures

**Signature of Date
Reporting Person

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).
- Represents shares of common stock sold pursuant to a Rule 10b5-1 Plan adopted by the Reporting Person with respect to the vesting of (1) previously reported Restricted Stock Units ("RSUs") granted to the Reporting Person under the Issuer's 2013 Amended and Restated Equity Incentive Plan (the "Plan")
- The price represents the weighted average sale price for multiple transactions reported on this line. The prices of the transactions ranged (2) from \$2.88 to \$2.89. Upon request of the SEC staff, ARCA biopharma, Inc. (the "Company") or a security holder of the Company, the reporting person will provide full information regarding the number of shares sold at each separate price.
 - Includes (i) remaining 1,429 previously reported shares issued as RSUs under the Plan that vests on 10/15/16, (ii) remaining 2,443 previously reported shares issued as RSUs under the Plan that vest in two equal annual installments beginning on 2/27/17, and (iii) 2,414
- (3) previously reported shares issued as RSUs under the Plan that vest in two equal annual installments beginning 4/2/17, provided that the Reporting Person's continuous service to the Issuer has not been terminated as defined under the Plan; and 9,097 previously reported shares of common stock owned.

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.

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