

ARCA biopharma, Inc.  
Form 8-K  
December 12, 2012

**UNITED STATES**  
**SECURITIES AND EXCHANGE COMMISSION**

WASHINGTON, D.C. 20549

**FORM 8-K**

**CURRENT REPORT**

Pursuant to Section 13 or 15(d) of the  
Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): December 12, 2012 (December 12, 2012)

**ARCA biopharma, Inc.**

(Exact Name of Registrant as Specified in Charter)

**Delaware**  
(State or Other Jurisdiction  
of Incorporation)

**000-22873**  
(Commission  
File Number)

**36-3855489**  
(I.R.S. Employer  
Identification No.)

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**8001 Arista Place, Suite 430, Broomfield, CO 80021**

**(Address of Principal Executive Offices) (Zip Code)**

**(720) 940-2200**

**(Registrant's telephone number, including area code)**

**Not Applicable**

**(Former Name or Former Address, if Changed Since Last Report)**

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

- .. Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
  
- .. Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
  
- .. Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
  
- .. Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

**Section 8 Other Events**

**Item 8.01. Other Events.**

On December 12, 2012, ARCA biopharma, Inc. announced that the paper "Effect of Bucindolol (Gencaro) on Heart Failure Outcomes and Heart Rate Response in Patients with Reduced Ejection Fraction Heart Failure and Atrial Fibrillation" was published in the European Journal of Heart Failure ([www.escardio.org/journals/european-journal-heart-failure](http://www.escardio.org/journals/european-journal-heart-failure)), a publication of the Heart Failure Association of the European Society of Cardiology. The press release is furnished as Exhibit 99.1 hereto, the contents of which are incorporated herein by reference.

**Section 9 Financial Statements and Exhibits**

**Item 9.01. Financial Statements and Exhibits.**

(d) Exhibits.

<b>Exhibit Number</b>	<b>Description</b>
99.1	Press Release titled "Gencaro Cardiovascular Effect On Patients With Atrial Fibrillation Paper Published In European Journal Of Heart Failure" dated December 12, 2012.

**SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

Dated: December 12, 2012

**ARCA biopharma, Inc.**

(Registrant)

By: /s/ Christopher D. Ozeroff  
Name: Christopher D. Ozeroff  
Title: SVP and General Counsel

**INDEX TO EXHIBITS**

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