

ARCA biopharma, Inc.  
Form 8-K  
November 17, 2011

**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): November 17, 2011 (November 16, 2011)**

**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 November 16, 2011, ARCA biopharma, Inc. issued a press release announcing that Gencaro demonstrated 74% risk reduction for new onset atrial fibrillation in heart failure patients with genotype believed to be found in nearly 50% of population. 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 Demonstrated 74% Risk Reduction For New Onset Atrial Fibrillation In Heart Failure Patients With Genotype Believed To Be Found In Nearly 50% Of Population, dated November 16, 2011.

**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: November 17, 2011

**ARCA biopharma, Inc.**

(Registrant)

By: /s/ Patrick M. Wheeler  
Name: Patrick M. Wheeler  
Title: Chief Financial Officer

**INDEX TO EXHIBITS**

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