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

000-22873 (Commission File Number) 36-3855489 (I.R.S. Employer

of Incorporation) 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.

Exhibit Number Description

99.1 Press Release titled Gencaro De

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

Exhibit Number	Description
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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.