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

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

of Incorporation) File Number) 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), 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.

Exhibit Number	Description
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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