ARCA biopharma, Inc. Form DEFA14A April 30, 2009

Filed by the Registrant x

UNITED STATES

SECURITIES AND EXCHANGE COMMISSION

Washington, DC 20549

SCHEDULE 14A

Proxy Statement Pursuant to Section 14(a) of

The Securities Exchange Act of 1934

Filed by a Party other than the Registrant "

| Check the appropriate box: | | |
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| | Preliminary Proxy Statement | |
| | Confidential, for Use of the Commission Only (as permitted by Rule 14a-6(e)(2)) | |
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| x | Definitive Additional Materials | |
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| | | |

ARCA BIOPHARMA, INC.

(Name of Registrant as Specified in Its Charter)

$(Name\ of\ Person(s)\ Filing\ Proxy\ Statement,\ if\ other\ than\ the\ Registrant)$

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