UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
September 17, 2014

ORDER GRANTING CONFIDENTIAL TREATMENT
UNDER THE SECURITIES EXCHANGE ACT OF 1934

Arca Biopharma, Inc.

File No. 000-22873 - CF#31498

Arca Biopharma, Inc. submitted an application under Rule 24b-2 requesting confidential treatment for information it excluded from the Exhibits to a Form 10-Q filed on August 13, 2014.

Based on representations by Arca Biopharma, Inc. that this information qualifies as confidential commercial or financial information under the Freedom of Information Act, 5 U.S.C. 552(b)(4), the Division of Corporation Finance has determined not to publicly disclose it. Accordingly, excluded information from the following exhibit will not be released to the public for the time period specified:

Exhibit 10.1	through April 18, 2018

For the Commission, by the Division of Corporation Finance, pursuant to delegated authority:

Kevin M. O'Neill
Deputy Secretary