

ARCA biopharma, Inc.
Form 3
February 21, 2017

FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

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INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,
Section 17(a) of the Public Utility Holding Company Act of 1935 or Section
30(h) of the Investment Company Act of 1940

(Print or Type Responses)

<p>1. Name and Address of Reporting Person *</p> <p>Å Hove Anders D</p> <p>(Last) (First) (Middle)</p> <p>11080 CIRCLEPOINT RD., SUITE 140</p> <p>(Street)</p> <p>WESTMINSTER, Å CO Å 80023</p> <p>(City) (State) (Zip)</p>	<p>2. Date of Event Requiring Statement</p> <p>(Month/Day/Year)</p> <p>02/16/2017</p>	<p>3. Issuer Name and Ticker or Trading Symbol</p> <p>ARCA biopharma, Inc. [ABIO]</p>	<p>4. Relationship of Reporting Person(s) to Issuer</p> <p>(Check all applicable)</p> <p><input checked="" type="checkbox"/> Director <input type="checkbox"/> 10% Owner <input type="checkbox"/> Officer <input type="checkbox"/> Other (give title below) (specify below)</p>	<p>5. If Amendment, Date Original Filed(Month/Day/Year)</p>	<p>6. Individual or Joint/Group Filing(Check Applicable Line)</p> <p><input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person</p>
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Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	767,660	I	By Venrock Healthcare Capital Partners II, L.P. ⁽¹⁾
Common Stock	311,272	I	By VHCP Co-Investment Holdings II, LLC ⁽²⁾
Common Stock	390,912	I	By Venrock Healthcare Capital Partners, L.P. ⁽³⁾
Common Stock	71,487	I	By VHCP Co-Investment Holdings, LLC ⁽⁴⁾

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

SEC 1473 (7-02)

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These securities are owned directly by Venrock Healthcare Capital Partners, L.P. The Reporting Person has a pecuniary interest in Venrock Healthcare Capital Partners, L.P. The Reporting Person holds no voting or investment interest in these securities, and disclaims beneficial ownership of such shares except to the extent of his pro rata partnership interest therein.

- (4) These securities are owned directly by VHCP Co-Investment Holdings, LLC. The Reporting Person has a pecuniary interest in VHCP Co-Investment Holdings, LLC. The Reporting Person holds no voting or investment interest in these securities, and disclaims beneficial ownership of such shares except to the extent of his pro rata partnership interest therein.

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Remarks:

ExhibitÂ 24-Â PowerÂ ofÂ Attorney

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *See* Instruction 6 for procedure.

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