

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

Schedule 13G/A

Under the Securities Exchange Act of 1934
(Amendment No. 3)
(RULE 13d-102)

Information to be included in statements filed
pursuant to Rule 13d-1 (b) (c) and (d) and Amendments thereto
filed pursuant to Rule 13d-2 (b).

ArQule, Inc.
(Name of Issuer)

Common shares
(Title of Class of Securities)

04269E107
(CUSIP/SEDOL Number)

February 1, 2018
(Date of Event which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant
to which this Schedule is filed:

Rule 13d-1 (b)
 Rule 13d-1 (c)
 Rule 13d-1 (d)

*The remainder of this cover page shall be filled out for a
reporting person's initial filing on this form with respect to the
subject class of securities, and for any subsequent amendment
containing information which would alter the disclosures provided
in a prior cover page.

The information required in the remainder of this cover page shall
not be deemed to be "filed" for the purpose of Section 18 of the Securities
Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of
that section of the Act but shall be subject to all other provisions of
the Act (however, see the Notes).

SCHEDULE 13G/A

Issuer: ArQule, Inc. CUSIP No.: 04269E107

1 NAMES OF REPORTING PERSONS I.R.S.
IDENTIFICATION NOS. OF ABOVE PERSONS

First Eagle Investment Management, LLC
Tax ID # 57-1156902

2 CHECK THE APPROPRIATE BOX IF A MEMBER
OF A GROUP
(a)
(b)

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

State of Delaware

NUMBER OF SHARES 5 SOLE VOTING POWER - 14,733,484
BENEFICIALLY 6 SHARED VOTING POWER - 0
OWNED BY EACH 7 SOLE DISPOSITIVE POWER - 14,733,484
REPORTING PERSON 8 SHARED DISPOSITIVE POWER - 0
WITH:

9 AGGREGATE AMOUNT BENEFICIALLY OWNED
BY EACH REPORTING PERSON

14,733,484

10 CHECK IF THE AGGREGATE AMOUNT IN
ROW (11) EXCLUDES CERTAIN SHARES

N/A

11 PERCENT OF CLASS REPRESENTED BY AMOUNT
IN ROW 9:

16.91%

12 TYPE OF REPORTING PERSON

IA

SCHEDULE 13G/A

Issuer: ArQule, Inc. CUSIP No.: 04269E107

ITEM 1

(a) Name of Issuer: ArQule, Inc.

(b) Address of Issuer's Principal Executive Offices:

One Wall Street
Burlington, MA 01803

ITEM 2

(a) Name of Person Filing: First Eagle Investment Management, LLC

(b) Address of Principal Business Office:

1345 Avenue of the Americas
New York, NY 10105

(c) Citizenship: Delaware, USA

(d) Title of Class of Securities:

Common Stock

(e) CUSIP No.: 04269E107

ITEM 3

If this statement is filed pursuant to Sections 240.13d-1(b), or 240.13d-2(b) or (c), check whether the person filing is a:

- (a) Broker or dealer registered under Section 15 of the Act (15 U.S.C. 78o);
- (b) Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c);
- (c) Insurance Company as defined in section 3(a)(19) of the Act (15 U.S.C. 78C);
- (d) Investment company registered under Section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8);
- (e) An investment adviser in accordance with Section 240.13d-1(b)(1)(ii)(E);
- (f) An employee benefit plan or endowment fund in accordance with Section 240.13d-1(b)(1)(ii)(F);
- (g) A parent holding company or control person in accordance with Section 240.13d-1(b)(1)(ii)(G);
- (h) A savings associations as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);
- (i) A church plan that is excluded from the definition of an insurance company under Section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3);
- (j) Group, in accordance with section 240.13d-1(b)(1)(ii)(J).

SCHEDULE 13G/A

Issuer: ArQule, Inc. CUSIP No.: 04269E107

ITEM 4. Ownership.

ITEM 5. Ownership of Five Percent or Less of a Class.

N/A

ITEM 6. OWNERSHIP OF MORE THAN FIVE PERCENT ON BEHALF OF ANOTHER PERSON

First Eagle Investment Management, LLC (FEIM), an investment adviser registered under Section 203 of the Investment Advisers Act of 1940, is deemed to be the beneficial owner of 14,733,484 shares, or 16.91% of the ordinary shares believed to be outstanding as a result of acting as investment adviser to various clients. Clients of FEIM have the right to receive and the ultimate power to direct the receipt of dividends from, or the proceeds of the sale of, such securities. 21 April Fund, Ltd. ("21 April"), a Cayman Islands company for which FEIM acts as investment adviser, may be deemed to beneficially own 7,462,924 of these 14,733,484 shares, which equates to 8.57% of the Common Stock. First Eagle Value Biotech Master Fund Ltd. ("Biotech Master"), a Cayman Islands company for which FEIM acts as investment adviser, may be deemed to beneficially own 5,020,233 of these 14,733,484 shares, which equates to 5.76% of the Common Stock.

ITEM 7. IDENTIFICATION AND CLASSIFICATION OF THE SUBSIDIARY WHICH ACQUIRED THE

SECURITY BEING REPORTED ON BY THE PARENT HOLDING COMPANY OR CONTROL PERSON.

N/A

ITEM 8. Identification and Classification of Members of the Group.

N/A

ITEM 9. Notice of Dissolution of Group

N/A

ITEM 10. Certification

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired and held in the ordinary course of business and were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of such securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose of effect.

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Date: February 6, 2018

Signature: /s/ Michael M. Kellen

Name/Title: Michael M. Kellen, Director

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