

Aeglea BioTherapeutics, Inc.  
Form 8-K  
April 18, 2016

**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): April 18, 2016**

**AEGLEA BIOTHERAPEUTICS, INC.**

**(Exact name of registrant as specified in its charter)**

**Delaware**  
**(State or other jurisdiction**

**of incorporation)**

**001-37722**  
**(Commission**

**File Number)**

**46-4312787**  
**(IRS Employer**

**Identification No.)**

**901 S. MoPac Expressway**

**Barton Oaks Plaza One**

**Suite 250**

**Austin, TX**

**(Address of principal executive offices)**

**78746**

**(Zip Code)**

**(512) 942-2935**

**(Registrant's telephone number, including area code)**

**(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:

- .. 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))

**Item 7.01. Regulation FD Disclosure.**

Aeglea BioTherapeutics, Inc. (the Company ) today announced that it plans to present the information in the presentation poster attached hereto as Exhibit 99.1 at the Annual Meeting of the American Association for Cancer Research (AACR) being held April 16-20, 2016 in New Orleans, Louisiana. A copy of the press release is attached as Exhibit 99.2 and incorporated herein by reference.

The information furnished with this report, including Exhibit 99.1 and Exhibit 99.2, shall not be deemed filed for purposes of Section 18 of the Securities Exchange Act of 1934, as amended ( Exchange Act ), or otherwise subject to the liabilities of that section, nor shall it be deemed incorporated by reference into any other filing under the Securities Act of 1933, as amended, or the Exchange Act, except as expressly set forth by specific reference in such a filing.

**Item 9.01 Financial Statements and Exhibits.**

(d) Exhibits

| Exhibit<br>Number | Description   |
|-------------------|---|
| 99.1              | Presentation Poster   |
| 99.2              | Press Release issued by Aeglea BioTherapeutics, Inc., dated April 18, 2016. |

**SIGNATURE**

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.

**AEGLEA BIOTHERAPEUTICS, INC.**

Date: April 18, 2016

By: /s/ Charles N. York II  
Charles N. York II  
Chief Financial Officer

**EXHIBIT INDEX**

| <b>Exhibit<br/>Number</b> | <b>Exhibit Title or Description</b>                                       |
|---------------------------|---|
| 99.1                      | Presentation Poster   |
| 99.2                      | Press Release issued by Aeglea BioTherapeutics, Inc. dated April 18, 2016 |