
**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): June 7, 2018

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))

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (§230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§240.12b-2 of this chapter).

Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Item 5.07 Submission of Matters to a Vote of Security Holders.

On June 7, 2018, Aeglea BioTherapeutics, Inc. (the “Company”) held its 2018 Annual Meeting of Stockholders (“Annual Meeting”) and the following proposals were adopted:

1. Election of two Class II directors, Russell Cox and Ivana Magovcevic-Liebisch, Ph.D., each to serve a three-year term, which will expire at the 2021 Annual Meeting of Stockholders and until such time as their respective successors have been duly elected and qualified or until their earlier resignation or removal:

<u>Nominees</u>	<u>Shares For</u>	<u>Shares Withheld</u>	<u>Shares Abstaining</u>	<u>Broker Non-Votes</u>
Russell Cox	11,603,911	425,239	--	3,071,936
Ivana Magovcevic-Liebisch, Ph.D.	12,014,021	15,129	--	3,071,936

2. Ratification of the appointment of PricewaterhouseCoopers LLP as the Company’s independent registered public accounting firm for the fiscal year ending December 31, 2018:

<u>Shares For</u>	<u>Shares Against</u>	<u>Shares Abstaining</u>	<u>Broker Non-Votes</u>
15,090,949	10,094	43	--

3. Approval of the amendment to the 2016 Employee Stock Purchase Plan to provide for an automatic annual increase in the number of shares reserved for issuance thereunder on January 1 of each year for the remaining term of the plan equal to (a) 1.0% of the number of issued and outstanding shares of common stock on December 31 of the immediately preceding year, or (2) a lesser amount as approved by the Board each year:

<u>Shares For</u>	<u>Shares Against</u>	<u>Shares Abstaining</u>	<u>Broker Non-Votes</u>
10,387,850	1,620,743	20,557	3,071,936

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: June 8, 2018

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