

---

---

**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): October 8, 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 October 8, 2018, Aeglea BioTherapeutics, Inc. (the “Company”) held a Special Meeting of Stockholders (“Special Meeting”) and the following proposal was adopted:

1. Approval of the amendment to the 2016 Equity Incentive Plan (the “Plan”) to (i) provide for an increase in the number of shares of common stock reserved for issuance thereunder by 1,759,602 shares, (ii) extend the term of the Plan through August 7, 2028 and (iii) provide for an automatic 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) 4.0% of the number of issued and outstanding shares of common stock on December 31 of the immediately preceding year, or (b) 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>
10,442,674	4,568,478	27,625	-

**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: October 10, 2018

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