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

Form 8-K/A

**CURRENT REPORT
Pursuant to Section 13 or 15(d)
of the Securities Exchange Act of 1934**

Date of Report (Date of earliest event reported): March 19, 2019

SPERO THERAPEUTICS, INC.
(Exact Name of registrant as specified in its charter)

Delaware
(State or other jurisdiction
of incorporation)

001-38266
(Commission
File Number)

46-4590683
(IRS Employer
Identification No.)

**675 Massachusetts Avenue, 14th Floor
Cambridge, Massachusetts 02139**
(Address of principal executive offices and zip code)

Registrant's telephone number, including area code: (857) 242-1600

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 (17 CFR §230.405) or Rule 12b-2 of the Securities Exchange Act of 1934 (17 CFR §240.12b-2).

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 5.02 Departure of Directors or Certain Officers; Election of Directors; Appointment of Certain Officers; Compensatory Arrangements of Certain Officers.

As previously reported on the Current Report on Form 8-K (the "Original Filing") filed by Spero Therapeutics, Inc. (the "Company") on March 19, 2019, the Company's Board of Directors (the "Board") elected Cynthia Smith as a director, effective as of March 19, 2019.

At the time of the Original Filing, the Board had not made a determination regarding any committee assignments for Ms. Smith. This amended Current Report on Form 8-K is being filed to provide the committee assignment information omitted from the Original Filing. On March 29, 2019, the Board appointed Ms. Smith to the Compensation Committee of the Board, effective as of April 1, 2019.

Other than the preceding disclosure, no other disclosure reported in the Original Filing is amended pursuant to this Report.

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.

Date: March 29, 2019

SPERO THERAPEUTICS, INC.

By: /s/ Joel Sendek

Name: Joel Sendek

Title: Chief Financial Officer and Treasurer