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**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

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**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 6, 2018**

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**ACCELERON PHARMA INC.**

(Exact name of Registrant as specified in its charter)

**Delaware**  
(State or other jurisdiction  
of incorporation)

**001-36065**  
(Commission  
File Number)

**27-0072226**  
(I.R.S. Employer  
Identification Number)

**128 Sidney Street**  
**Cambridge, MA**  
(Address of principal  
executive offices)

**02139**  
(Zip Code)

Registrant's telephone number, including area code: **(617) 649-9200**

**Not Applicable**

(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 6, 2018, Acceleron Pharma Inc. (the "Company") held its previously announced Annual Meeting of Stockholders (the "Annual Meeting"), at which a quorum was present.

At the Annual Meeting, the stockholders of the Company voted on the following three proposals: (i) to elect Habib J. Dable, Terrence C. Kearney, and Karen L. Smith, M.D., Ph.D. as Class II directors of the Company's board of directors, each for a three year term ("Proposal 1"); (ii) to approve, on an advisory basis, the compensation paid to the Company's named executive officers as described in the proxy statement ("Proposal 2"); and (iii) to ratify the selection of Ernst & Young LLP as the Company's independent registered public accounting firm for the fiscal year ending December 31, 2018 ("Proposal 3").

For Proposal 1, the Company's stockholders elected the nominees listed below to the Company's board of directors. The votes cast at the Annual Meeting for Proposal 1 were as follows:

Nominees	For	Against	Abstain	Broker Non-Votes
Habib J. Dable	41,080,459	72,730	10,656	2,297,656
Terrence C. Kearney	41,132,918	20,763	10,164	2,297,656
Karen L. Smith, M.D., Ph.D.	41,148,015	7,051	8,779	2,297,656

For Proposal 2, the Company's stockholders approved, on an advisory basis, the compensation paid to the Company's named executive officers as described in the proxy statement. The votes cast at the Annual Meeting for Proposal 2 were as follows:

For	Against	Abstain	Broker Non-Votes
40,710,848	450,899	2,098	2,297,656

For Proposal 3, the stockholders ratified the selection of Ernst & Young LLP as the Company's independent registered public accounting firm for the fiscal year ending December 31, 2018. The votes cast at the Annual Meeting for Proposal 3 were as follows:

For	Against	Abstain	Broker Non-Votes
43,410,527	47,711	3,263	—

**SIGNATURES**

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.

**ACCELERON PHARMA INC.**

By: /s/ John D. Quisel, J.D., Ph.D.

John D. Quisel, J.D., Ph.D.

Executive Vice President and Chief Business Officer

Date: June 7, 2018