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): May 19, 2020

Axcelis Technologies, Inc. (Exact name of registrant as specified in its charter)

(Exact name of registrant as specified in its charter **000-30941**

Delaware

34-1818596

(State or other jurisdiction	(Commission	(IRS Employer
of incorporation)	File Number)	Identification No.)
108 Cherry Hill Drive, Beverly, Mass.	achusetts	01915
(Address of principal executive off		(Zip Code)
Registrant	's telephone number, including area code	e: (978) 787-4000
(Forme	er name or former address, if changed sine	ce last report.)
Check the appropriate box below if the Form 8-K filin following provisions:	g is intended to simultaneously satisfy th	ne filing obligation of the registrant under any of the
 □ Written communications pursuant to Rule 425 under □ Soliciting material pursuant to Rule 14a-12 under the Pre-commencement communications pursuant to R □ Pre-commencement communications pursuant to R 	he Exchange Act (17 CFR 240.14a-12) ule 14d-2(b) under the Exchange Act (17	
Securities registered pursuant to Section 12(b) of the A	Act:	
Title of each class	Trading symbol(s)	Name of each exchange on which registered
Common Stock, \$0.001 par value	ACLS	Nasdaq Global Select Market
Indicate by check mark whether the registrant is an en chapter) or Rule 12b-2 of the Securities Exchange Act		ale 405 of the Securities Act of 1933(§230.405 of this
. ,	• •	Emerging growth company \Box
If an emerging growth company, indicate by check marevised financial accounting standards provided pursu		extended transition period for complying with any new or . \Box

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

(e) Approval of 2020 Employee Stock Purchase Plan

At the 2020 annual meeting of the stockholders of Axcelis Technologies, Inc. (the "Company") held on May 19, 2020 (the "Annual Meeting"), the Company's stockholders approved a proposed 2020 Employee Stock Purchase Plan (the "2020 ESPP") to replace an Employee Stock Purchase Plan expiring in June 2020. 1,000,000 shares of common stock are reserved for future issuance under the 2020 ESPP. The Company's Board of Directors and the Compensation Committee of the Board of Directors previously approved the 2020 ESPP, subject to such stockholder approval. The Company's executive officers are eligible to participate in the 2020 ESPP. A summary of the material terms of the 2020 ESPP is set forth in the Company's definitive proxy statement for the Annual Meeting filed with the Securities and Exchange Commission on March 30, 2020 (the "Proxy Statement"). A copy of the 2020 ESPP is filed with the Proxy Statement.

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

The Annual Meeting was held at the offices of the Company at 108 Cherry Hill Drive, Beverly, Massachusetts on May 19, 2020. Out of 32,831,750 shares of Common Stock (as of the record date of March 25, 2020) entitled to vote at the meeting, 29,951,943 shares, or 91.2%, were present in person or by proxy.

1. At the Annual Meeting, each of the nine nominees for election as directors received the number of votes set opposite the nominee's name, constituting a plurality of the votes cast, and therefore such nominee has been duly elected as a director of the Company:

Proposal 1				
Proposal to elect the following nominees as a director	For	Withheld	Broker Non- Votes	Percentage of Total Voted For
1. Tzu-Yin Chiu	26,194,648	590,008	3,167,155	97.80%
2. Richard J. Faubert	26,448,127	336,529	3,167,155	98.74%
3. R. John Fletcher	25,792,792	991,864	3,167,155	96.30%
4. Arthur L. George, Jr.	26,442,367	342,289	3,167,155	98.72%
5. Joseph P. Keithley	26,136,649	648,007	3,167,155	97.58%
6. John T. Kurtzweil	26,452,293	332,363	3,167,155	98.76%
7. Mary G. Puma	26,747,658	36,998	3,167,155	99.86%
8. Thomas St. Dennis	26,193,675	590,981	3,167,155	97.79%
9. Jorge Titinger	26,366,734	417,922	3,167,155	98.44%

2. The following sets forth the tally of the votes cast on the proposal to approve the 2020 Employee Stock Purchase Plan, as adopted by the Board of Directors. A majority of the votes cast were voted in favor of the approval of the 2020 Employee Stock Purchase Plan, as adopted by the Board of Directors, and therefore the 2020 Employee Stock Purchase Plan has been approved by the stockholders:

Proposal 2	Number of Votes				
	For	Against	Abstaining	Broker Non- Votes	Percentage of Total Voted For
Proposal to approve the 2020 Employee Stock					
Purchase Plan	26,721,401	50,300	13,087	3,167,155	99.8%

3. The following sets forth the tally of the votes cast on the proposal to ratify the appointment by the Board of Directors of Ernst & Young LLP as independent auditors of the Company's financial statements for the year ending December 31, 2020. A majority of the votes cast were voted in favor of the proposal, and therefore the appointment of auditors has been ratified by the stockholders:

Proposal 3	Number of Votes				
	For	Against	Abstaining	Broker Non- Votes	Percentage of Total Voted For
Proposal to ratify the appointment of Ernst & Young					
LLP as independent auditors for the Company's					
financial statements for the year ending December 31,					
2020.	29,094,724	837,406	19,813	0	97.2%

4. The following sets forth the tally of the votes cast on the proposal that the stockholders of the Company advise the Board of Directors that they approve the compensation paid to the Company's executive officers for fiscal 2019, as described under "Executive Compensation" in the Proxy Statement. A majority of the votes cast were voted in favor of the proposal, and therefore such advisory vote has passed.

Number of Votes

	For	Against	Abstaining	Broker Non- Votes	Percentage of Total Voted For
Proposal that the stockholders of the Company advise				_	
the Board of Directors that they approve the					
compensation paid to the Company's executive					
officers for fiscal 2019, as described under "Executive					
Compensation" in the Proxy Statement.	25,955,003	800,162	29,623	3,167,155	97.0%

Item 8.01 Other Events.

On May 20, 2020, the Board of Directors of the Company:

- · elected Richard J. Faubert as the Chairman of the Board of Directors;
- · appointed R. John Fletcher, Arthur L. George, Jr., John T. Kurtzweil, and Richard J. Faubert to serve as the Compensation Committee of the Board of Directors, with Mr. George designated as Chairman thereof;
- · appointed Joseph P. Keithley, John T. Kurtzweil and R. John Fletcher to serve as the Audit Committee of the Board of Directors, with Mr. Kurtzweil designated as Chairman thereof;
- · appointed Tzu-Yin Chiu, Joseph P. Keithley, and Thomas St. Dennis to serve as the Nominating and Governance Committee of the Board of Directors, with Mr. Keithley designated as Chairman thereof; and
- appointed Tzu- Yin Chiu, Richard J. Faubert, Arthur L. George, Jr., and Thomas St. Dennis to serve as the Technology and New Product Development Committee of the Board of Directors with Mr. St. Dennis designated as Chairman thereof.

Such election and appointments are to serve until the next annual meeting of the Board of Directors and until such director's successor has been elected and qualified, or until such director's earlier death, resignation or removal.

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: May 20, 2020 Axcelis Technologies, Inc.

By: /s/ Lynnette C. Fallon

Lynnette C. Fallon

Executive Vice President HR/Legal and General Counsel