## FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Check this box if no longer subject to
Section 16. Form 4 or Form 5
obligations may continue. See
Instruction 1(b)

1. Name and Address of Reporting Person

**FALLON LYNNETTE C** 

# STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

**OMB APPROVAL** OMB Number: Estimated average burden hours per response: 0.5

10% Owner

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

Director

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

AXCELIS TECHNOLOGIES INC [ ACLS ]

2. Issuer Name and Ticker or Trading Symbol

					-								_	X Officer below)	(give title		Other (s	specify		
(Last) (First) (Middle)  C/O AXCELIS TECHNOLOGIES, INC.  108 CHERRY HILL DRIVE						3. Date of Earliest Transaction (Month/Day/Year) 05/12/2017								,	xecutive V	/P, H	,			
							4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Individual or Joint/Group Filing (Check Applicable					
(Street) BEVERLY MA 01915														X Form filed by One Reporting Person Form filed by More than One Reporting						
(City)	(State) (Zip)				-									Person						
		Tal	ole I - No	n-Deri	vative	e Se	ecurit	ties Ac	auired	. Dis	sposed o	f. or Be	neficial	ly Owned	<u> </u>					
1. Title of Security (Instr. 3)  2. Transact Date (Month/Date)					action	ır) i	2A. Dee Execution		3.		4. Securitie	es Acquire Of (D) (Insti	d (A) or	5. Amount o Securities Beneficially Owned Follo		Form (D) or	: Direct r Indirect str. 4)	7. Nature of Indirect Beneficial Ownership		
									Code	v	Amount	(A) or (D)	Price	Reporte Transac (Instr. 3	tion(s)			(Instr. 4)		
Common Stock 05/12/2						2017			M		5,071	A	\$4.64	49	,562	D				
Common Stock 05/12/2						2017			S		5,071	D	\$21.52	(1) 44,	491 <sup>(2)</sup>	D				
Common Stock 05/15/2					5/2017				M		26,179	A	\$4.64	70	,670	D				
Common Stock 05/15/2					5/2017	2017			S		26,179	D	\$21.16	\$21.16 <sup>(3)</sup> 44,4			D			
			Table II								osed of, convertil			Owned						
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deem Execution if any (Month/Da	n Date,	4. Transaction Code (Instr 8)		n of		6. Date Exercis Expiration Dat (Month/Day/Ye		te	7. Title and Amoun of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficial Owned Following Reported Transactio (Instr. 4)	Owner Form: Direct or Indi (I) (Ins	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership ect (Instr. 4)		
					Code	v	(A)	(D)	Date Exercisa	able	Expiration Date	Title	Amount or Number of Shares							
Stock option (right to buy)	\$4.64	05/12/2017			M			5,071	11/16/20	013	11/16/2019	Common Stock	5,071	\$0.00	26,179	9	D			
Stock option	\$4.64	05/15/2017			M			26,179	11/16/2	013	11/16/2019	Common	26,179	\$0.00	0		D			

# **Explanation of Responses:**

- 1. The price reported in Column 4 is a weighted-average price. These shares were sold in multiple transactions at prices ranging from \$21.50 to \$21.55, inclusive. The reporting person undertakes to provide to Axcelis Technologies, Inc., any security holder of Axcelis Technologies, Inc., or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares purchased at
- 2. Of the shares held as of May 12 and 15, 2017, 19,091 were issuable on vesting of restricted stock units granted under the 2012 Equity Incentive Plan and are subject to forfeiture.
- 3. The price reported in Column 4 is a weighted-average price. These shares were sold in multiple transactions at prices ranging from \$21.15 to \$21.25, inclusive. The reporting person undertakes to provide to Axcelis Technologies, Inc., any security holder of Axcelis Technologies, Inc., or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares purchased at each separate price.

#### Remarks:

buy)

Lynnette C. Fallon

05/15/2017

\*\* Signature of Reporting Person

Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

- \* If the form is filed by more than one reporting person, see Instruction 4 (b)(v).
- \*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.