## FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, [	D.C.	20549
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**BENEFICIAL OWNERSHIP** 

(A) or (D)

A

A

Amount

76,364

25,455

Price

\$0.00(1)

\$0.00(2)

Check this box if no longer subject to	STATEMENT OF CHANGES IN BENEFICIAL OWN
Section 16. Form 4 or Form 5	
obligations may continue. See	
Instruction 1(b).	Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934

05/16/2016

05/16/2016

OMB APPROVAL OMB Number:

Estimated average burden hours per response: 0.5

(Instr. 4)

D

D

Date			2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4 5)	4 and	5. Amount of Securities Beneficially Owned Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership	
		Table I - No	n-Derivative S	ecurities Acq	uired, Disp	oosed of, or Benefi	cially C	wned			
(City)	(State)	(Zip)						. 0.00			
(Street) BEVERLY	MA	01915					X	Form filed by On Form filed by Mo Person			
				nendment, Date of	Original Filed	(Month/Day/Year)	6. Individual or Joint/Group Filing (Check Applicable Line)				
C/O AXCELIS TECHNOLOGIES, INC. 108 CHERRY HILL DRIVE		03/10	/2010				Liteture	, 1, 1110 Degui			
(Last)	(First)	(Middle)		e of Earliest Transa /2016	ction (Month/[	Day/Year)	X	Officer (give title below)  Executive	Other (specify below)  /P, HR/Legal		
1. Name and Address of Reporting Person <sup>*</sup> <u>FALLON LYNNETTE C</u>				er Name <b>and</b> Ticke CELIS TECH		ymbol ES INC [ ACLS ]		onship of Reportir all applicable) Director	,	Issuer Owner	
Instruction 1(t	o).			nt to Section 16(a) o ction 30(h) of the In		es Exchange Act of 1934 npany Act of 1940		liours	рег гезропзе.	0.3	

# Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned

A

A

				(e.g., p	uts, c	ans,	warr	ants,	options, o	convertio	ie sec	curities)				
!	1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security 3. Transaction Date (Month/Day/Year) (Month/Day/Year) (Month/Day/Year)		Execution Date,	Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
					Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				

#### **Explanation of Responses:**

Common Stock

Common Stock

- 1. These shares are issuable on vesting of restricted stock units granted under the Company's 2012 Equity Incentive Plan. Assuming continuation of employment, 25% of these restricted stock units will vest on May 16, 2017, May 16, 2018, May 16, 2019 and May 16, 2020. The executive has agreed that a number of shares, having a value equal to the required tax withholding at vesting, will be withheld from the shares issued on each yest date.
- 2. These shares are issuable on vesting of restricted stock units granted under the Company's 2012 Equity Incentive Plan. Assuming continuation of employment, some or all of these restricted stock units will vest on February 15, 2017 based on performance vesting criteria. Unvested restricted stock units will forfeit on that date. The executive has agreed that a number of shares, having a value equal to the required tax withholding at vesting, will be withheld from the shares issued on the vest date.
- 3. Of the shares held as of May 16, 2016, 101,818 were issuable on vesting of restricted stock units granted to the executive under the 2012 Equity Incentive Plan and are subject to forfeiture.

# Remarks:

Lynnette C. Fallon 05/17/2016

Reported

(Instr. 3 and 4)

167,651

193,105(3)

\*\* 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.