FORM 4

## **UNITED STATES SECURITIES AND EXCHANGE COMMISSION**

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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

1. Name ar Blumer	AXCELIS TECHNOLOGIES INC [ ACLS ]										heck all app Direc	licable) tor er (give title	10% Calle Other below		Owner (specify					
(Last) C/O AX	(Last) (First) (Middle) C/O AXCELIS TECHNOLOGIES, INC.					3. Date of Earliest Transaction (Month/Day/Year) 05/15/2024									belov	EVP, Engineering				
108 CHERRY HILL DRIVE						4. If Amendment, Date of Original Filed (Month/Day/Year)									6. Individual or Joint/Group Filing (Check Applicable Line)  X Form filed by One Reporting Person					
(Street) BEVERI	LY M	A 0	1915												Form filed by More than One Reporting Person					
(City)	(St	ate) (Z	(Zip)				Rule 10b5-1(c) Transaction Indication													
			Check this box to indicate that a transaction was made pursuant to a contract, instruction or written plan that is intended to satisfy the affirmative defense conditions of Rule 10b5-1(c). See Instruction 10.																	
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																				
1. Title of Security (Instr. 3)  2. Trans. Date (Month/I						Exe if ar	A. Deemed xecution Date, any Month/Day/Year)		3. Transaction Code (Instr. 8)			es Acquired (A) Of (D) (Instr. 3,			nd Securit	ties cially Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership (Instr. 4)	
									Code	v	Amount	(A) (D)	or	Price	Transa	ction(s) 3 and 4)			(1110411. 4)	
Common	2024				A		2,849	A	A	\$ <mark>0</mark> (	7,031 <sup>(2)</sup>			D						
Common Stock 05/					2024				A		2,849	A	A	\$ <mark>0</mark> 0	<sup>3)</sup> 9,	880(4)		D		
		Tal									osed of, onvertib					d				
Derivative Security	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deer Execution if any (Month/E		4. Transa Code ( 8)				6. Date Expirati (Month/	ion Da		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		g nstr.	8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficiall Owned Following Reported Transactio (Instr. 4)	Owners Form: Direct ( or Indir (I) (Instr	Ownership	Beneficial Ownership ct (Instr. 4)	
					Code	v	(A)	(D)	Date Exercis	able	Expiration Date	Title	or	nber						
These share		on vesting of restrict										y 15, 20	)24. A	Assumi	ng continuati	on of emplo	yment	, these restric	eted stock	

- 2. Of the shares held following this grant on May 15, 2024, 7,031 were issuable on vesting of restricted stock units granted to the executive under the 2012 Equity Incentive Plan and are subject to forfeiture.
- 3. These shares are issuable on vesting of restricted stock units granted under the Company's 2012 Equity Incentive Plan on May 15, 2024. In this grant, the executive may earn shares of common stock, ranging from zero to 150% of the granted units. The shares are earned based on the achievement of 2024 performance goals. Assuming continuation of employment, 50% of the earned shares will vest on February 28, 2025, and 50% of the earned shares will vest on February 28, 2026. Unearned restricted stock units will forfeit on February 28, 2025.
- 4. Of the shares held after this grant on May 15, 2024, 9,880 shares were issuable on vesting of restricted stock units granted to the executive under the 2012 Equity Incentive Plan and are subject to forfeiture

/s/ Lynnette C. Fallon, Attorney-in-Fact

05/15/2024

\*\* 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.