FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL								
OMB Number:	3235-0287							
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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).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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

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1. Name a	2. Issuer Name and Ticker or Trading Symbol AXCELIS TECHNOLOGIES INC [ACLS									5. Relationship of Reporting Person(s) to Issuer (Check all applicable)									
Low R	1	ACLE TECHNOLOGIES INC ACLS								X Direc		tor		10% Ov	vner				
(Last)	3. Date of Earliest Transaction (Month/Day/Year)								-	X	Office belov	er (give title v)		Other (s below)	specify				
AXCEL	05/25/2023									President and CEO									
108 CHI	4. If Amendment, Date of Original Filed (Month/Day/Year)								, I	6. Individual or Joint/Group Filing (Check Applicable Line)									
(Street)															X Form filed by One Reporting Person				
(Street) BEVERLY MA 01915															Form filed by More than One Reporting Person				
(City)	Rule	9 10)b5-	1(c) Tra	nsa	ction Inc	licati	on										
											insaction was r litions of Rule :					truction or wr	itten pla	an that is int	ended to
		Table	I - N	Ion-Deriva	tive S	ecui	rities	Ac	quired	d, Di	sposed o	f, or E	Benefic	ially	Owr	ned			
1. Title of Security (Instr. 3) 2. Transaction Date (Month/Day/Ye					Exear) if a	ıny	ion Date, /Day/Year)					es Acquired (A) o Of (D) (Instr. 3, 4		d 5)	5. Amount of Securities Beneficially Owned Following		6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership (Instr. 4)
									Code	v	Amount	(A) or (D)	Price		Reported Transaction(s) (Instr. 3 and 4)				
Common Stock 05/25/202						23				П	4,980	D	\$153.3	3.13(1) 64		4,701 ⁽²⁾		D	
		Tab	ole II	l - Derivativ (e.g., pu							posed of, convertib				Owne	ed			
1. Title of Derivative Security (Instr. 3)	vative Conversion Date Execution Date, irity or Exercise (Month/Day/Year) if any			4. Transaction Code (Instr. 8)		5.					7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)		9. Number derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4		11. Nature of Indirect Beneficial Ownership (Instr. 4)	
					Code V		(A)	(D)	Date Exercisa		Expiration Date	Title	Amount or Number of Shares						

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 \$153.11 to \$153.14, 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 sold at each separate price.
- 2. Of the shares held as of May 25, 2023, 39,650 were issuable on vesting of restricted stock units granted to the executive under the 2012 Equity Incentive Plan and are subject to forfeiture.

Remarks:

<u>Lynnette C. Fallon, as</u> <u>attorney in fact for Russell J.</u> <u>05/25/2023</u> <u>Low, Ph.D.</u>

** 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.