SEC Form 4												
FORM 4	UNITE	D STATE	S SECURITIE Washing	SION								
			washing	JION, D.	C. 20t			OMB APPROVAL				
Check this box if no longer Section 16. Form 4 or Forr obligations may continue Instruction 1(b).	n 5	Filed pu	OF CHANGE rsuant to Section 16(a) r Section 30(h) of the li	of the S	Securi		RSHIP OMB Number: 3235-02 Estimated average burden hours per response: 0					
1. Name and Address of Rep <u>FALLON LYNNET</u>	0		Issuer Name <b>and</b> Tick XCELIS TECH					5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner Officer (give title Other (specifi				
(Last) (First) C/O AXCELIS TECHN 108 CHERRY HILL DE	1		Date of Earliest Transa 2/01/2020	action (I	Month	'Day/Year)		below) below) Executive VP, HR/Legal				
	4.	4. If Amendment, Date of Original Filed (Month/Day/Year)						6. Individual or Joint/Group Filing (Check Applicable				
(Street)						Line)	- /					
BEVERLY MA	01915							Form filed by More than One Repo				
(City) (State)	(Zip)	(Zip)										
	Table I - No	on-Derivativ	e Securities Acc	Juired	, Dis	sposed of,	or Bei	neficially	Owned			
1. Title of Security (Instr. 3)		2. Transaction Date (Month/Day/Ye	Execution Date,	3. Transaction Code (Instr. 8)		4. Securities Disposed Of	Acquired (D) (Instr	l (A) or . 3, 4 and 5)	5. Amount of Securities Beneficially Owned Followin Reported	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	Transaction(s) (Instr. 3 and 4)		(1150.4)	
Common Stock		12/01/202	0	М		18,500	A	\$12.04	91,807(1)	D		
Common Stock	12/01/202	0	S		18,500	D	\$27.43(2)	73,307(1)	D			
Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)												

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	rsion crise (Month/Day/Year) f tive ty b f tive ty ty (Month/Day/Year) f tive ty ty ty ty tive ty ty ty tive ty ty tive ty ty tive tive tive tive tive tive tive tive			6. Date Exerc Expiration Da (Month/Day/Y	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				
Stock option (right to buy)	\$12.04	12/01/2020		М			18,500	07/15/2019	07/15/2022	Common Stock	18,500	\$0.00	0	D	

Explanation of Responses:

1. Of the shares held as of December 1, 2020, 42,003 were issuable on vesting of restricted stock units granted to the executive under the 2012 Equity Incentive Plan and are subject to forfeiture. 2. The price reported in Column 4 is a weighted-average price. These shares were sold in multiple transactions at prices ranging from \$27.38 to \$27.54, 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.

## **Remarks:**

Lynnette C. Fallon

\*\* Signature of Reporting Person

Date

12/01/2020

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.