

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

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

1. Name and Address of Reporting Person* <u>Cilento Richard C. Jr.</u> (Last) (First) (Middle) C/O FIBROBIOLOGICS, INC. 455 E. MEDICAL CENTER BLVD.SUITE 300 (Street) HOUSTON TX 77598 (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) 01/24/2024	3. Issuer Name and Ticker or Trading Symbol <u>FibroBiologics, Inc. [FBLG]</u>	
		4. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner Officer (give title below) Other (specify below)	5. If Amendment, Date of Original Filed (Month/Day/Year) 02/07/2024
		6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person	

Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
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Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of Derivative Security	5. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date				
Stock Option (Right to Buy)	(1)	02/16/2033	Common Stock	185,300	2.28	D
Stock Option (Right to Buy)	(2)	09/25/2032	Common Stock	5,000	3.28	D

Explanation of Responses:

- 1/4 of the options vested on January 1, 2024, with the remainder vesting monthly over 36 months.
- All options vested on September 26, 2023, the one-year anniversary of the date of grant.

Remarks:

This amendment is filed to include stock options in Table II that were inadvertently omitted in the original filing.

/s/ Mark Andersen, by Power of Attorney 08/13/2024

** 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 5 (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.