FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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OMB Number: 3235-0287

OMB Number: 3235-0287
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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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

Check this box to indicate that a transaction was made pursuant to a contract, instruction or written plan for the purchase or sale of equity securities of the issuer that is intended to satisfy the affirmative defense conditions of Rule 10b5-1(c). See Instruction 10.

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

| Name and Address of Reporting Person* Vazzano Joseph Walter | | | 2. Issuer Name and Ticker or Trading Symbol ABEONA THERAPEUTICS INC. [ABEO] | | ionship of Reporting Persor all applicable) Director | n(s) to Issuer |
|---|------------------------|----------|---|------------|---|--------------------------------|
| (Last) 6555 CARNEGIE | (First) AVE, 4TH FLOOR | (Middle) | 3. Date of Earliest Transaction (Month/Day/Year) 03/14/2025 | X | Officer (give title below) Chief Financia | Other (specify below) Officer |
| (Street) CLEVELAND OH 44103 | | 44103 | 4. If Amendment, Date of Original Filed (Month/Day/Year) | 6. Individ | dual or Joint/Group Filing (C Form filed by One Repor Form filed by More than C | ting Person |
| (City) | (State) | (Zip) | | | | |

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

| 1. Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | | | tion str. | 4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5) | | | 5. Amount of Securities Beneficially Owned Following Reported | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | Beneficial Ownership |
|---------------------------------|--|--|------------------|--------------|--|---------------|--------|--|---|-------------------------|
| | | | Code | v | Amount | (A) or (D) | Price | Transaction(s) (Instr. 3 and 4) | | (Instr. 4) |
| Common stock | 03/14/2025 | | F ⁽¹⁾ | | 685 | D | \$5.29 | 509,041 | D | |

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

| | 1. Title of | 2. | 3. Transaction | 3A. Deemed | 4. | | | | | | 7. Title and Amount of | | 8. Price of | 9. Number of | 10. | 11. Nature | ı |
|-----|---------------------|-------------|------------------|------------------|------------------|-----------------|----------------|--------|------------------|------------|------------------------|-----------|----------------|--------------|------------|-------------|---|
| - 1 | Derivative | Conversion | Date | Execution Date, | Transac | Transaction | | ive | Expiration Date | | Securities Underlying | | Derivative | derivative | Ownership | of Indirect | L |
| - 1 | Security (Instr. 3) | or Exercise | (Month/Day/Year) | if any | Code (Instr. | | Securities | | (Month/Day/Year) | | Derivative Security | | Security | Securities | Form: | Beneficial | L |
| - 1 | | Price of | | (Month/Day/Year) | 8) | 8) Acquired (A) | | ed (A) | | | (Instr. 3 and 4) | | (Instr. 5) | Beneficially | Direct (D) | Ownership | L |
| | | Derivative | | | or Disposed of | | or Disposed of | | | | | Owned | or Indirect | (Instr. 4) | L | | |
| - 1 | | Security | | | (D) (Instr. 3, 4 | | 1 | | | | | Following | (I) (Instr. 4) | | L | | |
| | | | | | and 5) | | 1 | | l | | | Reported | | | L | | |
| - 1 | | | | | | | | | | | | 1 | Transaction(s) | | | L | |
| - 1 | | | | | | l | | | | | | Amount | | (Instr. 4) | | | 1 |
| - 1 | | | | | | l | | | | | | or | | | | | 1 |
| - 1 | | | | | | l | | | Date | Expiration | | Number | | | | | 1 |
| | | | | | Code | v | (A) | (D) | Exercisable | Date | Title | of Shares | | | | | ı |
| - L | | | | | | | | | | | <u> </u> | | | | | | 4 |

Explanation of Responses:

1. Represents shares of restricted stock surrendered to satisfy the reporting person's tax withholding obligation upon vesting of restricted stock. The deemed disposition of the withheld shares is exempt pursuant to Rule 16b-3(e).

/s/ Joseph Vazzano

03/17/2025

** 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.