

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL

|                          |           |
|--------------------------|-----------|
| OMB Number:              | 3235-0287 |
| Estimated average burden |           |
| hours per response:      | 0.5       |

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).

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

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.

|                                           |                                                          |                                                             |
|-------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------|
| 1. Name and Address of Reporting Person * | 2. Issuer Name and Ticker or Trading Symbol              | 5. Relationship of Reporting Person(s) to Issuer            |
| O'Malley Brendan M.                       | ABEONA THERAPEUTICS INC. [ ABEO ]                        | (Check all applicable)                                      |
| (Last) (First) (Middle)                   | 3. Date of Earliest Transaction (Month/Day/Year)         | Director 10% Owner                                          |
| 6555 CARNEGIE AVE., 4TH FLOOR             | 01/20/2026                                               | X Officer (give title below) Other (specify below)          |
| (Street)                                  | 4. If Amendment, Date of Original Filed (Month/Day/Year) | SVP, Chief Legal Officer                                    |
| CLEVELAND OH 44103                        |                                                          | 6. Individual or Joint/Group Filing (Check Applicable Line) |
| (City) (State) (Zip)                      |                                                          | X Form filed by One Reporting Person                        |
|                                           |                                                          | Form filed by More than One Reporting Person                |

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

| 1. Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) | 4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5) | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|----------------------------------------------------|--------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------|
| Common Stock                    | 01/20/2026                           |                                                    | A                              | Amount (A) or (D) Price                                           | 113,949 <sup>(1)</sup> A \$0.00                                                               | 464,712                                                  | 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 | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 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                                                  |                                            |                                                                                                    |                                                           |                                                        |

Explanation of Responses:

1. The restricted stock will vest one-third on each of January 20, 2027, January 20, 2028, and January 20, 2029.

/s/ Brendan O'Malley 01/20/2026  
\*\* 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.