

| OMB APPROVAL                                 |           |
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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).

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*<br><u>Gupta Rishi</u><br><br>(Last) (First) (Middle)<br><u>C/O ENLIVEN THERAPEUTICS, INC.</u><br><u>6200 LOOKOUT ROAD</u><br><br>(Street)<br><u>BOULDER CO 80301</u><br><br>(City) (State) (Zip) | 2. Issuer Name and Ticker or Trading Symbol<br><u>Enliven Therapeutics, Inc. [ ELVN ]</u> | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable)<br><input checked="" type="checkbox"/> Director <input checked="" type="checkbox"/> 10% Owner<br>Officer (give title below) Other (specify below) |
|   | 3. Date of Earliest Transaction (Month/Day/Year)<br><u>05/17/2023</u>                     |   |
|   | 4. If Amendment, Date of Original Filed (Month/Day/Year)                                  |   |

**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) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|------------|--------|---|--|---|
|                                 |                                      |  | Code                           | V | Amount  | (A) or (D) | Price  |   |  |   |
| Common Stock                    | 05/17/2023                           |  | M <sup>(1)</sup>               |   | 2,125   | A          | \$4.28 | 8,663,349   | I  | See footnotes <sup>(3)</sup><br>(5)                   |
| Common Stock                    |                                      |  |                                |   |   |            |        | 288,114   | I  | See footnotes <sup>(4)</sup><br>(5)                   |

**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                               |
| Stock Options (Right to Buy)               | \$4.28   | 05/17/2023                           |  | M <sup>(1)</sup>               |   | 2,125  |     |  |                 | Common Stock  | 2,125                                      | \$0  | 0   | I  | See footnotes <sup>(3)</sup><br>(5) |

**Explanation of Responses:**

- Represents the exercise of stock options granted to David P. Bonita ("Bonita") on June 2, 2022. Bonita is a member of OrbiMed Advisors LLC ("OrbiMed Advisors") and was a member of Imara Inc.'s ("Imara") board of directors. Pursuant to an agreement with OrbiMed Advisors and OrbiMed Capital GP VII LLC ("GP VII"), Bonita transferred these stock options to OrbiMed Advisors and GP VII, who in turn ensured that the securities issued under these stock options, or the economic benefits thereof, were provided to OrbiMed Private Investments VII, LP ("OPI VII").
- These stock options vested on November 10, 2022 in connection with the merger of Iguana Merger Sub, Inc., a wholly owned subsidiary of Imara, with and into Enliven Therapeutics, Inc. ("Enliven"), with Enliven surviving the merger as a wholly owned subsidiary of Imara.
- These securities are held of record by OPI VII. GP VII is the general partner of OPI VII and OrbiMed Advisors, a registered investment adviser under the Investment Advisers Act, is the managing member of GP VII. By virtue of such relationships, GP VII and OrbiMed Advisors may be deemed to have voting and investment power over the securities held by OPI VII and may be deemed to have beneficial ownership over such securities. OrbiMed Advisors exercises voting and investment power through a management committee comprised of Carl L. Gordon, Sven H. Borho, and W. Carter Neild, each of whom disclaims beneficial ownership of the shares held by OPI VII.
- These securities are held of record by OrbiMed Genesis Master Fund, L.P. ("Genesis"). OrbiMed Genesis GP LLC ("Genesis GP") is the general partner of Genesis. OrbiMed Advisors is the managing member of Genesis GP. By virtue of such relationships, Genesis GP and OrbiMed Advisors may be deemed to have voting and investment power over the securities held by Genesis and may be deemed to have beneficial ownership over such securities. OrbiMed Advisors exercises voting and investment power through a management committee comprised of Carl L. Gordon, Sven H. Borho, and W. Carter Neild, each of whom disclaims beneficial ownership of the shares held by Genesis.
- Each of the Reporting Person, OrbiMed Advisors, GP VII, and Genesis GP disclaims beneficial ownership of the securities reported herein for purposes of Rule 16a 1(a) under the Securities Exchange Act of 1934, as amended (the "Exchange Act"), except to the extent of his or its pecuniary interest therein, if any. This report on Form 4 shall not be deemed an admission that any of the reporting persons is a beneficial owner of such securities for the purpose of Section 16 of the Exchange Act, or for any other purpose.

/s/ Rishi Gupta

05/19/2023

\*\* 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.