## FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

## 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. Estimated average burden hours per response:

OMB Number:

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

|  | ess of Reporting Per | son <sup>*</sup> | 2. Issuer Name <b>and</b> Ticker or Trading Symbol<br>KIORA PHARMACEUTICALS INC [KPRX] |               | 5. Relationship of Reporting Person(s) to Issuer<br>(Check all applicable)        |                       |  |  |  |  |
|--|----------------------|------------------|--|---------------|---|-----------------------|--|--|--|--|
| Hollander David  |                      |                  | L  | X             | Director  | 10% Owner             |  |  |  |  |
| (Last) (First) (Middle)<br>C/O KIORA PHARMACEUTICALS, INC.<br>332 ENCINITAS BLVD., SUITE 102 |                      | ALS, INC.        | 3. Date of Earliest Transaction (Month/Day/Year)<br>04/01/2025                         | _             | Officer (give title below)  | Other (specify below) |  |  |  |  |
| (Street)<br>ENCINITAS  |                      |                  | 4. If Amendment, Date of Original Filed (Month/Day/Year)                               | 6. Indiv<br>X | vidual or Joint/Group Filing<br>Form filed by One Repo<br>Form filed by More thar | , ,                   |  |  |  |  |
| (City)   | (State)              | (Zip)            |  |               |   |                       |  |  |  |  |

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

|  | 2. Transaction<br>Date<br>(Month/Day/Year) | Execution Date, | 3.<br>Transaction<br>Code (Instr.<br>8) |   | 4. Securities Acquired (A) or<br>Disposed Of (D) (Instr. 3, 4 and 5) |               |       | 5. Amount of<br>Securities<br>Beneficially Owned<br>Following Reported | Form: Direct (D)<br>or Indirect (I)<br>(Instr. 4) | 7. Nature of<br>Indirect<br>Beneficial<br>Ownership<br>(Instr. 4) |
|--|--|-----------------|---|---|--|---------------|-------|--|---|---|
|  |  |                 | Code                                    | v | Amount   | (A) or<br>(D) | Price | <ul> <li>Transaction(s) (Instr.<br/>3 and 4)</li> </ul>                |   | (11311. 4)  |

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned

(e.g., puts, calls, warrants, options, convertible securities)

| 1. Title of<br>Derivative<br>Security (Instr. 3) | 2.<br>Conversion<br>or Exercise<br>Price of<br>Derivative<br>Security |            | 3A. Deemed<br>Execution Date,<br>if any<br>(Month/Day/Year) | 4.<br>Transaction<br>Code (Instr.<br>8) |   | 5. Number of<br>Derivative<br>Securities<br>Acquired (A)<br>or Disposed of<br>(D) (Instr. 3, 4<br>and 5) |     | 6. Date Exercisable and<br>Expiration Date<br>(Month/Day/Year) |                    | 7. Title and Amount of<br>Securities Underlying<br>Derivative Security (Instr.<br>3 and 4) |                                     | 8. Price of<br>Derivative<br>Security<br>(Instr. 5) | Reported                     | 10.<br>Ownership<br>Form:<br>Direct (D)<br>or Indirect<br>(I) (Instr. 4) | 11. Nature<br>of Indirect<br>Beneficial<br>Ownership<br>(Instr. 4) |
|--|---|------------|---|---|---|--|-----|--|--------------------|--|-------------------------------------|---|------------------------------|--|--|
|  |   |            |   | Code                                    | v | (A)  | (D) | Date<br>Exercisable  | Expiration<br>Date | Title  | Amount<br>or<br>Number<br>of Shares |   | Transaction(s)<br>(Instr. 4) |  |  |
| Stock Option<br>(right to buy)                   | \$2.93  | 04/01/2025 |   | Α                                       |   | 20,000   |     | 04/01/2026 <sup>(1)</sup>                                      | 04/01/2035         | Common<br>Stock  | 20,000                              | \$0   | 20,000                       | D  |  |

Explanation of Responses:

1. The reporting person received an Option to purchase Common Stock from the Issuer pursuant to the Issuer's 2024 Equity Incentive Plan. The Option will become fully exercisable on April 1, 2026. **Remarks:** 

/s/ Melissa Tosca, Attorney-in-Fact 04/02/2025

\*\* 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.

3235-0287

0.5