

| OMB APPROVAL                                 |           |
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**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP**

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

|  |  |   |
|--|--|---|
| 1. Name and Address of Reporting Person*<br><u>Richard Robert E.</u><br><br>(Last) (First) (Middle)<br><u>C/O LYRA THERAPEUTICS, INC.</u><br><u>480 ARSENAL WAY</u><br><br>(Street)<br><u>WATERTOWN MA 02472</u><br><br>(City) (State) (Zip) | 2. Issuer Name and Ticker or Trading Symbol<br><u>Lyra Therapeutics, Inc. [ LYRA ]</u> | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable)<br><br>Director <span style="float:right">10% Owner</span><br><input checked="" type="checkbox"/> Officer (give title below) <span style="float:right">Other (specify below)</span><br><u>SVP, Technical Operations</u> |
|  | 3. Date of Earliest Transaction (Month/Day/Year)<br><u>01/31/2023</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                    | 01/31/2023                           |  | A                              |   | 30,000 <sup>(1)</sup>   | A          | \$0.00 | 30,000  | 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 |
| Stock Option                               | \$2.85   | 01/31/2023                           |  | A                              |   | 45,000   |     | (2)  | 01/30/2033      | Common Stock  | 45,000                                     | \$0.00   | 45,000  | D  |       |

**Explanation of Responses:**

- Represents an award of restricted stock units ("RSUs"). Each RSU represents a contingent right to receive one share of the Issuer's common stock. The RSUs will vest in four (4) equal annual installments on the first four anniversaries of the grant date such that the RSUs will fully vest on January 31, 2027.
- This option vests and becomes exercisable in 48 equal monthly installments occurring on the completion of each successive month of the Reporting Person's service to the Issuer following January 31, 2023.

**Remarks:**

/s/ Jason Cavalier, Attorney-in-Fact for Robert E. Richard, Ph.D. 02/02/2023

\*\* 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.