Instruction 1(b).

FORM 4

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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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* Roberts Carmichael | | | | | | 2. Issuer Name and Ticker or Trading Symbol Lyra Therapeutics, Inc. [LYRA] | | | | | | | | | elationship o eck all applic Directo | able) r | g Pers X | 10% O | wner |
|--|---|--|---|-------|--------------------------------|---|---|--------|---|-----------------------------|---|--|---------------|---|---|---|---------------------------|--|---|
| (Last) (First) (Middle) C/O MATERIAL IMPACT | | | | | | 3. Date of Earliest Transaction (Month/Day/Year) 05/05/2020 | | | | | | | | | Officer (give title Other (specify below) below) | | | | |
| 131 DAR | 4. If | 4. If Amendment, Date of Original Filed (Month/Day/Year) | | | | | | | | | 6. Individual or Joint/Group Filing (Check Applicable Line) | | | | | | | | |
| (Street) BOSTON MA 02116 | | | | | | | | | | | | | | X Form filed by One Reporting Person Form filed by More than One Reporting Person | | | | | |
| (City) | (Sta | ate) (| Zip) | | | | | | | | | | | | | | | | |
| Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned | | | | | | | | | | | | | | | | | | | |
| 1. Title of Security (Instr. 3) 2. Trans. Date (Month/I | | | | | | ar) I | 2A. Deemed Execution Date, if any (Month/Day/Year) | | Code (| Transaction Code (Instr. | | 4. Securities Acquired (A Disposed Of (D) (Instr. 3, 5) | | | 5. Amour Securitie Beneficia Owned F Reported | s ally ollowing | Form (D) or | nership : Direct r Indirect str. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
| | | | | | | | | | Code | v | Amount | (A) |) or) | Price | Transact (Instr. 3 a | on(s) | | | (111501.4) |
| Common Stock 05/05/ | | | | | | 2020 | | | С | | 415 | | A | (1) | 58, | 58,414 | | 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. Deeme Execution if any (Month/Da | Date, | 4. Transactio Code (Inst | | | | 6. Date Exercisa Expiration Date (Month/Day/Yea | | е | 7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4) | | | 8. Price of Derivative Security (Instr. 5) | 9. Numbe derivative Securitie Beneficia Owned Following Reported Transacti (Instr. 4) | e O s Fi lly D o | 10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | Beneficial Ownership (Instr. 4) |
| | | | | | Code | v | (A) | (D) | Date Exercisa | | Expiration Date | Title | OI N Of | umber | | | | | |
| Series A- 1/A Convertible Preferred Stock | (1) | 05/05/2020 | | | С | | | 14,318 | (1) | | (1) | Comm Stock | | 415 | (1) | 0 | | D | |

Explanation of Responses:

1. Each share of preferred stock was automatically converted into 0.0289998 shares of common stock upon the closing of the Issuer's initial public offering. The preferred stock had no expiration date.

Remarks:

/s/ Carmichael S. Roberts

** 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.