# SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

|  | SCHEDULE 13G   |
|--|--|
|  | Under the Securities Exchange Act of 1934                |
|  | (Amendment No. )*  |
|  | Lyra Therapeutics, Inc.                                  |
|  | (Name of Issuer)   |
|  | Common stock, par value \$0.001 per share                |
|  | (Title of Class of Securities)                           |
|  | 55234L105  |
|  | (CUSIP Number)   |
|  | December 31, 2023  |
|  | (Date of event which requires filing of this statement)  |
|  |  |
| Check the appropriate box to designate | e the rule pursuant to which this Schedule 13G is filed: |
|  |  |
| ☐ Rule 13d-1(c)                        |  |
| ☐ Rule 13d-1(d)                        |  |

(Page 1 of 7 Pages)

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 (the "Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

<sup>\*</sup> The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

|   | •  |                                    |  |  |
|---|--|------------------------------------|--|--|
| 1   | NAMES OF REPORTING PERSONS Vestal Point Capital, LP                    |                                    |  |  |
| 2   | CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP  (a)   (b)   (b)      |                                    |  |  |
| 3   | SEC USE ONLY   |                                    |  |  |
| 4   | CITIZENSHIP OR PLACE OF ORGANIZATION Delaware                          |                                    |  |  |
| NUMBER OF<br>SHARES<br>BENEFICIALLY<br>OWNED BY<br>EACH<br>REPORTING<br>PERSON WITH | 5  | SOLE VOTING POWER - 0 -            |  |  |
|   | 6  | SHARED VOTING POWER 3,000,000      |  |  |
|   | 7  | SOLE DISPOSITIVE POWER - 0 -       |  |  |
|   | 8  | SHARED DISPOSITIVE POWER 3,000,000 |  |  |
| 9   | AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 3,000,000 |                                    |  |  |
| 10  | CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES   |                                    |  |  |
| 11  | PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 5.7%                 |                                    |  |  |
| 12  | TYPE OF REPORTING PERSON IA, PN  |                                    |  |  |

| 1   | NAMES OF REPORTING PERSONS Ryan Wilder                                 |                                    |  |
|---|--|------------------------------------|--|
| 2   | CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP  (a)  (b)  (b)        |                                    |  |
| 3   | SEC USE ONLY   |                                    |  |
| 4   | CITIZENSHIP OR PLACE OF ORGANIZATION United States                     |                                    |  |
| NUMBER OF<br>SHARES<br>BENEFICIALLY<br>OWNED BY<br>EACH<br>REPORTING<br>PERSON WITH | 5  | SOLE VOTING POWER - 0 -            |  |
|   | 6  | SHARED VOTING POWER 3,000,000      |  |
|   | 7  | SOLE DISPOSITIVE POWER - 0 -       |  |
|   | 8  | SHARED DISPOSITIVE POWER 3,000,000 |  |
| 9   | AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 3,000,000 |                                    |  |
| 10  | CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES   |                                    |  |
| 11  | PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 5.7%                 |                                    |  |
| 12  | TYPE OF REPORTING PERSON IN, HC  |                                    |  |

Item 1(a). NAME OF ISSUER.

The name of the issuer is Lyra Therapeutics, Inc. (the "Company").

Item 1(b). ADDRESS OF ISSUER'S PRINCIPAL EXECUTIVE OFFICES:

The Company's principal executive offices are located at 480 Arsenal Way, Watertown, MA 02472.

Item 2(a). NAME OF PERSON FILING:

This statement is filed by:

- (i) Vestal Point Capital, LP (the "Investment Manager"), a Delaware limited partnership, and the investment adviser to a certain fund and a managed account (the "Vestal Point Fund and Account"), with respect to the shares of Common Stock (as defined in Item 2(d) below) directly held by the Vestal Point Fund and Account; and
- (ii) Mr. Ryan Wilder ("Mr. Wilder"), the Chief Investment Officer and Managing Partner of the Investment Manager and the Managing Member of Vestal Point Capital, LLC, the general partner of the Investment Manager, with respect to the shares of Common Stock directly held by the Vestal Point Fund and Account.

The foregoing persons are hereinafter sometimes collectively referred to as the "Reporting Persons."

The filing of this statement should not be construed as an admission that any of the foregoing persons or any Reporting Person is, for the purposes of Section 13 of the Act, the beneficial owner of the shares of Common Stock reported herein.

Item 2(b). ADDRESS OF PRINCIPAL BUSINESS OFFICE OR, IF NONE, RESIDENCE:

The address of the business office of each of the Reporting Persons is 632 Broadway, Suite 602, New York, NY 10012.

Item 2(c). CITIZENSHIP:

The Investment Manager is a Delaware limited partnership. Mr. Wilder is a citizen of the United States.

Item 2(d). TITLE OF CLASS OF SECURITIES:

Common stock, par value \$0.001 per share (the "Common Stock").

| Item 2(e). |  | CUSIP NUMBER:<br>55234L105 |  |  |  |  |
|------------|--|----------------------------|--|--|--|--|
| Item 3.    | IF THIS STATEMENT IS FILED PURSUANT TO §§ 240.13d-1(b) OR 240.13d-2(b) OR (c), CHECK WHETHER THE PERSON FILING IS A:  (a)   Broker or dealer registered under Section 15 of the Act (15 U.S.C. 78o); |                            |  |  |  |  |
|            | (b)  |                            | Bank as defined in Section 3(a)(6) of the Act (15 U.S.C. 78c);   |  |  |  |
|            | (c)  |                            | Insurance company as defined in Section 3(a)(19) of the Act (15 U.S.C. 78c);   |  |  |  |
|            | (d)  |                            | Investment company registered under Section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8);   |  |  |  |
|            | (e)  | $\boxtimes$                | Investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E);   |  |  |  |
|            | (f)  |                            | Employee benefit plan or endowment fund in accordance with Rule 13d-1(b)(1)(ii)(F);  |  |  |  |
|            | (g)  | X                          | Parent holding company or control person in accordance with Rule 13d-1(b)(1)(ii)(G);   |  |  |  |
|            | (h)  |                            | Savings association as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);  |  |  |  |
|            | (i)  |                            | Church plan that is excluded from the definition of an investment company under Section 3(c) (14) of the Investment Company Act (15 U.S.C. 80a-3); |  |  |  |
|            | (j)  |                            | Non-U.S. institution in accordance with Rule 13d-1(b)(1)(ii)(J);   |  |  |  |
|            | (k)  |                            | Group, in accordance with Rule 13d-1(b)(1)(ii)(K).   |  |  |  |
|            | If filing as a non-U.S. institution in accordance with Rule 13d-1(b)(1)(ii)(J), please specify the type of institution:  |                            |  |  |  |  |

The information required by Items 4(a) - (c) is set forth in Rows 5 - 11 of the cover page for each of the

The percentages set forth herein are calculated based upon 52,563,127 shares of Common Stock outstanding as of November 1, 2023, as reported in the Company's Quarterly Report on Form 10-Q for the quarterly period ended

September 30, 2023, filed with the Securities and Exchange Commission on November 7, 2023.

Item 4.

**OWNERSHIP:** 

Reporting Persons and is incorporated herein by reference.

Item 5. OWNERSHIP OF FIVE PERCENT OR LESS OF A CLASS:

Not applicable.

Item 6. OWNERSHIP OF MORE THAN FIVE PERCENT ON BEHALF OF ANOTHER PERSON:

See Item 2(a). The Vestal Point Fund and Account have the right to receive or the power to direct the receipt of

dividends from, or the proceeds from the sale of, the shares of Common Stock reported herein.

Item 7. IDENTIFICATION AND CLASSIFICATION OF THE SUBSIDIARY WHICH ACQUIRED THE

SECURITY BEING REPORTED ON BY THE PARENT HOLDING COMPANY:

Not applicable.

Item 8. IDENTIFICATION AND CLASSIFICATION OF MEMBERS OF THE GROUP:

Not applicable.

Item 9. NOTICE OF DISSOLUTION OF GROUP:

Not applicable.

Item 10. CERTIFICATION:

Each of the Reporting Persons hereby makes the following certification:

By signing below each Reporting Person certifies that, to the best of his or its knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and were not acquired for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

#### **SIGNATURES**

After reasonable inquiry and to the best of his or its knowledge and belief, each of the undersigned certify that the information set forth in this statement is true, complete and correct.

DATED: February 13, 2024

### VESTAL POINT CAPITAL, LP

By: VESTAL POINT CAPITAL, LLC, its general partner

By: /s/ Ryan Wilder

Name: Ryan Wilder

Title: Chief Investment Officer and Managing Partner

/s/ Ryan Wilder

RYAN WILDER

#### **EXHIBIT 99.1**

## JOINT ACQUISITION STATEMENT PURSUANT TO RULE 13d-1(k)

The undersigned acknowledge and agree that the foregoing statement on Schedule 13G is filed on behalf of each of the undersigned and that all subsequent amendments to this statement on Schedule 13G shall be filed on behalf of each of the undersigned without the necessity of filing additional joint acquisition statements. The undersigned acknowledge that each shall be responsible for the timely filing of such amendments, and for the completeness and accuracy of the information concerning him or it contained therein, but shall not be responsible for the completeness and accuracy of the information concerning the others, except to the extent that he or it knows or has reason to believe that such information is inaccurate.

DATED: February 13, 2024

#### VESTAL POINT CAPITAL, LP

By: VESTAL POINT CAPITAL, LLC, its general partner

By: /s/ Ryan Wilder

Name: Ryan Wilder

Title: Chief Investment Officer and Managing Partner

/s/ Ryan Wilder

RYAN WILDER