

---

---

UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

SCHEDULE 13G

Under the Securities Exchange Act of 1934  
(Amendment No. 1)\*

---

**Lyra Therapeutics, Inc.**

(Name of Issuer)

---

**Common Stock, par value \$0.001**

(Title of Class of Securities)

---

**55234L105**

(CUSIP Number)

---

**September 30, 2024**

(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- Rule 13d-1(b)
- Rule 13d-1(c)
- Rule 13d-1(d)

\*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.

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 ("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).

---

---

1.	Names of Reporting Persons Samsara BioCapital, L.P.	
2.	Check the Appropriate Box if a Member of a Group (See Instructions) (a) <input checked="" type="checkbox"/> (1) (b) <input type="checkbox"/>	
3.	SEC Use Only	
4.	Citizenship or Place of Organization Delaware	
Number of Shares Beneficially Owned by Each Reporting Person With	5.	Sole Voting Power 0
	6.	Shared Voting Power 3,281,766 (2)
	7.	Sole Dispositive Power 0
	8.	Shared Dispositive Power 3,281,766 (2)
9.	Aggregate Amount Beneficially Owned by Each Reporting Person 3,281,766 (2)	
10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) <input type="checkbox"/>	
11.	Percent of Class Represented by Amount in Row (9) 4.98% (3)	
12.	Type of Reporting Person (See Instructions) PN	

- (1) This Schedule 13G is filed by Samsara BioCapital, L.P. (“Samsara LP”), Samsara BioCapital GP, LLC (“Samsara GP”) and Dr. Srinivas Akkaraju (“Akkaraju”) (and together with Samsara LP, Samsara GP, the “Reporting Persons”). The Reporting Persons expressly disclaim status as a “group” for purposes of this Schedule 13G.
- (2) Consists of (i) 2,780,261 shares of the Issuer’s Common Stock held by Samsara LP and (ii) 501,505 shares of Common Stock issuable upon exercise of immediately exercisable warrants (the “Warrants”) held by Samsara LP, by virtue of a limitation on exercise of such warrants. Samsara GP is the sole general partner of Samsara LP and may be deemed to have voting and investment power over the securities held by Samsara LP. Akkaraju is the managing member of Samsara GP and may be deemed to have voting and dispositive power over the shares held by Samsara LP.
- (3) This percentage is calculated based on the sum of (i) 65,456,735 shares of common stock outstanding as of August 1, 2024, as reported in the Issuer’s Quarterly Report on Form 10-Q for the quarterly period ended June 30, 2024 filed with the Securities and Exchange Commission on August 14, 2024 and (ii) 501,505 shares of Common Stock issuable upon exercise of the Warrants.

1.	Names of Reporting Persons Samsara BioCapital GP, LLC	
2.	Check the Appropriate Box if a Member of a Group (See Instructions) (a) <input checked="" type="checkbox"/> (1) (b) <input type="checkbox"/>	
3.	SEC Use Only	
4.	Citizenship or Place of Organization Delaware	
Number of Shares Beneficially Owned by Each Reporting Person With	5.	Sole Voting Power 0
	6.	Shared Voting Power 3,281,766 (2)
	7.	Sole Dispositive Power 0
	8.	Shared Dispositive Power 3,281,766 (2)
9.	Aggregate Amount Beneficially Owned by Each Reporting Person 3,281,766 (2)	
10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) <input type="checkbox"/>	
11.	Percent of Class Represented by Amount in Row (9) 4.98% (3)	
12.	Type of Reporting Person (See Instructions) OO	

- (1) This Schedule 13G is filed by the Reporting Persons. The Reporting Persons expressly disclaim status as a “group” for purposes of this Schedule 13G.
- (2) Consists of (i) 2,780,261 shares of the Issuer’s Common Stock held by Samsara LP and (ii) 501,505 shares of Common Stock issuable upon exercise of the Warrants held by Samsara LP, by virtue of a limitation on exercise of such warrants. Samsara GP is the sole general partner of Samsara LP and may be deemed to have voting and investment power over the securities held by Samsara LP. Akkaraju is the managing member of Samsara GP and may be deemed to have voting and dispositive power over the shares held by Samsara LP.
- (3) This percentage is calculated based on the sum of (i) 65,456,735 shares of common stock outstanding as of August 1, 2024, as reported in the Issuer’s Quarterly Report on Form 10-Q for the quarterly period ended June 30, 2024 filed with the Securities and Exchange Commission on August 14, 2024 and (ii) 501,505 shares of Common Stock issuable upon exercise of the Warrants.

1.	Names of Reporting Persons Dr. Srinivas Akkaraju	
2.	Check the Appropriate Box if a Member of a Group (See Instructions) (a) <input checked="" type="checkbox"/> (1) (b) <input type="checkbox"/>	
3.	SEC Use Only	
4.	Citizenship or Place of Organization United States	
Number of Shares Beneficially Owned by Each Reporting Person With	5.	Sole Voting Power 0
	6.	Shared Voting Power 3,281,766 (2)
	7.	Sole Dispositive Power 0
	8.	Shared Dispositive Power 3,281,766 (2)
9.	Aggregate Amount Beneficially Owned by Each Reporting Person 3,281,766 (2)	
10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) <input type="checkbox"/>	
11.	Percent of Class Represented by Amount in Row (9) 4.98% (3)	
12.	Type of Reporting Person (See Instructions) IN	

- (1) This Schedule 13G is filed by the Reporting Persons. The Reporting Persons expressly disclaim status as a “group” for purposes of this Schedule 13G.
- (2) Consists of (i) 2,780,261 shares of the Issuer’s Common Stock held by Samsara LP and (ii) 501,505 shares of Common Stock issuable upon exercise of the Warrants held by Samsara LP, by virtue of a limitation on exercise of such warrants. Samsara GP is the sole general partner of Samsara LP and may be deemed to have voting and investment power over the securities held by Samsara LP. Akkaraju is the managing member of Samsara GP and may be deemed to have voting and dispositive power over the shares held by Samsara LP.
- (3) This percentage is calculated based on the sum of (i) 65,456,735 shares of common stock outstanding as of August 1, 2024, as reported in the Issuer’s Quarterly Report on Form 10-Q for the quarterly period ended June 30, 2024 filed with the Securities and Exchange Commission on August 14, 2024 and (ii) 501,505 shares of Common Stock issuable upon exercise of the Warrants.

**Item 1.**

- (a) Name of Issuer  
Lyra Therapeutics, Inc.
- 
- (b) Address of Issuer’s Principal Executive Offices  
480 Arsenal Way, Watertown, MA 02472
- 

**Item 2.**

- (a) Name of Person Filing  
Samsara BioCapital, L.P. (“Samsara LP”)  
Samsara BioCapital GP, LLC (“Samsara GP”)  
Srinivas Akkaraju (“Akkaraju”)
- 
- (b) Address of Principal Business Office or, if none, Residence  
c/o Samsara BioCapital, LLC  
628 Middlefield Road  
Palo Alto, CA 94301
- 
- (c) Citizenship  
Entities: Samsara LP - Delaware  
Samsara GP - Delaware  
Individuals: Akkaraju - United States
- 
- (d) Title of Class of Securities  
Common Stock, par value \$0.001 (“Common Stock”)
- 
- (e) CUSIP Number  
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:**

Not applicable

**Item 4. Ownership**

The following information regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1 is provided as of November 14, 2024:

Reporting Persons	Shares Held Directly	Sole Voting Power	Shared Voting Power	Sole Dispositive Power	Shared Dispositive Power	Beneficial Ownership	Percentage of Class (3)
Samsara LP (1) (2)	3,281,766	0	3,281,766	0	3,281,766	3,281,766	4.98%
Samsara GP (1) (2)	0	0	3,281,766	0	3,281,766	3,281,766	4.98%
Akkaraju (1) (2)	0	0	3,281,766	0	3,281,766	3,281,766	4.98%

- (1) These shares are held by Samsara LP. Samsara GP is the sole general partner of Samsara LP and may be deemed to have voting and investment power over the securities held by Samsara LP. Akkaraju is the managing member of Samsara GP and may be deemed to have voting and dispositive power over the shares held by Samsara LP.
- (2) Includes 2,780,261 shares of Common Stock held by Samsara LP and 501,505 shares issuable upon exercise of immediately exercisable warrants (the “Warrants”) held by Samsara LP.
- (3) This percentage is calculated based on the sum of (i) 65,456,735 shares of common stock outstanding as of August 1, 2024, as reported in the Issuer’s Quarterly Report on Form 10-Q for the quarterly period ended June 30, 2024 filed with the Securities and Exchange Commission on August 14, 2024 and (ii) 501,505 shares of Common Stock issuable upon exercise of the Warrants.

**Item 5. Ownership of Five Percent or Less of a Class**

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following

**Item 6. Ownership of More than Five Percent on Behalf of Another Person**

Not applicable

**Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company or Control Person**

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**

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held 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 such purpose or effect.

**Signature**

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Dated: November 14, 2024

**Samsara BioCapital, L.P.**

By: Samsara BioCapital GP, LLC  
its General Partner

By: /s/ Srinivas Akkaraju  
Name: Srinivas Akkaraju  
Title: Managing Member

**Samsara BioCapital GP, LLC**

By: /s/ Srinivas Akkaraju  
Name: Srinivas Akkaraju  
Title: Managing Member

/s/ Srinivas Akkaraju  
Srinivas Akkaraju

**ATTENTION**

---

**Intentional misstatements or omissions of fact constitute Federal Criminal Violations (See 18 U.S.C. 1001).**

---

**Exhibit(s):**

[A](#)     [Joint Filing Agreement](#)



EXHIBIT A

JOINT FILING AGREEMENT

We, the undersigned, hereby express our agreement that the attached Schedule 13G (or any amendments thereto) relating to the Common Stock of Lyra Therapeutics, Inc. is filed on behalf of each of us.

Dated: November 14, 2024

**Samsara BioCapital, L.P.**

By: Samsara BioCapital GP, LLC  
its General Partner

By: /s/ Srinivas Akkaraju

Name: Srinivas Akkaraju

Title: Managing Member

**Samsara BioCapital GP, LLC**

By: /s/ Srinivas Akkaraju

Name: Srinivas Akkaraju

Title: Managing Member

/s/ Srinivas Akkaraju

Srinivas Akkaraju

---