SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Schedule 13G

(Rule 13d-102)

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT TO RULES 13d-1 (b), (c) AND (d) AND AMENDMENTS THERETO FILED PURSUANT TO 13d-2 (b) (Amendment No. 1)

Lyra Therapeutics, Inc. (Name of Issuer)

Common Stock, par value \$0.001 per share (Title of Class of Securities)

> 55234L105 (CUSIP Number)

December 31, 2022 (Date of Event Which Requires Filing of this Statement)

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

 \Box Rule 13d-1(b)

 \Box 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 disclosures provided in a prior cover page.

The information required on 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).

(Continued on following pages)

	#33234L103				
1	NAME OF REPORTING PERSONS				
	Polaris Venture Partners V, L.P.				
2			PPROPRIATE BOX IF A MEMBER OF A GROUP		
	(a) □ (t	o) 🗵			
3	SEC USE O	NLY			
4	CITIZENSH	IP C	DR PLACE OF ORGANIZATION		
	Delaware				
		5	SOLE VOTING POWER		
			0		
	UMBER OF SHARES	6	SHARED VOTING POWER		
BE	NEFICIALLY				
0	WNED BY EACH	7	1,062,259 (1) SOLE DISPOSITIVE POWER		
	EPORTING	,	Sole Distositive rowek		
	PERSON WITH		0		
	vv 1111	8	SHARED DISPOSITIVE POWER		
			1,062,259 (1)		
9	AGGREGAT	TE A	MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	1,062,259 (1)			
10					
	_				
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9				
	I DRODATI (,, C			
	3.3% (2)				
12	TYPE OF REPORTING PERSON				
	PN				
·1					

(1) All such shares are held of record by PVP V (as defined in Item 2(a) of the Original Schedule 13G). PVM V (as defined in Item 2(a) of the Original Schedule 13G), the general partner of PVP V, may be deemed to have voting, investment and dispositive power with respect to these securities. Jonathan A. Flint and Terrance G. McGuire, the managing members of PVM V, may each be deemed to share voting, investment and dispositive power with respect to these securities.

(2) Based on 31,827,008 shares of Common Stock outstanding as of November 1, 2022, as reported on the Issuer's Quarterly Report on Form 10-Q, for the quarter ended September 30, 2022, as filed with the United States Securities and Exchange Commission (the "Commission") on November 8, 2022 (the "Form 10-Q").

1	NAME OF REPORTING PERSONS				
	Polaris Venture Partners Entrepreneurs' Fund V, L.P.				
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP				
	(a) 🗆 (t	o) 🗵			
3	SEC USE O	NLY			
4	CITIZENSU	ID C	DR PLACE OF ORGANIZATION		
4	CHIZENSH	IF C	TRACE OF ORGANIZATION		
	Delaware	_			
		5	SOLE VOTING POWER		
N	UMBER OF		0		
	SHARES	6	SHARED VOTING POWER		
	NEFICIALLY WNED BY		20,701 (1)		
D	EACH	7	SOLE DISPOSITIVE POWER		
	EPORTING PERSON		0		
	WITH	8	SHARED DISPOSITIVE POWER		
			20,701 (1)		
9	AGGREGAT	ΈA	MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	20,701 (1)				
10		X IF	THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES		
11	Image: Percent of class represented by amount in row 9				
12	0.1% (2)				
12	12 TYPE OF REPORTING PERSON				
	PN				

(1) All such shares are held of record by PVPE V (as defined in Item 2(a) of the Original Schedule 13G). PVM V, the general partner of PVPE V, may be deemed to have voting, investment and dispositive power with respect to these securities. Jonathan A. Flint and Terrance G. McGuire, the managing members of PVM V, may each be deemed to share voting, investment and dispositive power with respect to these securities.

1			ORTING PERSONS		
1	NAME OF REFORMING LEGING				
	Polaris Venture Partners Founders' Fund V, L.P.				
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP				
	(a) 🗆 (t) 🗵			
3	SEC USE O	NLY			
4	CITIZENSU	TD (DR PLACE OF ORGANIZATION		
4	CHIZENSH	IP C	JK PLACE OF ORDANIZATION		
	Delaware				
		5	SOLE VOTING POWER		
Ν	UMBER OF				
DE	SHARES NEFICIALLY	6	SHARED VOTING POWER		
	WNED BY		7,274 (1)		
_	EACH	7	SOLE DISPOSITIVE POWER		
	EPORTING				
	PERSON WITH		0		
	WIIII	8	SHARED DISPOSITIVE POWER		
			7,274 (1)		
9	AGGREGAT	TE A	MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
10	7,274 (1)	VIE	THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES		
10	CHECK BU	лIf	THE AUGREGATE AMOUNT IN KOW (9) EACLUDES CERTAIN SHARES		
11					
	0.0% (2)				
12	12 TYPE OF REPORTING PERSON				
	PN				

(1) All such shares are held of record by PVPFF V (as defined in Item 2(a) of the Original Schedule 13G). PVM V, the general partner of PVPFF V, may be deemed to have voting, investment and dispositive power with respect to these securities. Jonathan A. Flint and Terrance G. McGuire, the managing members of PVM V, may each be deemed to share voting, investment and dispositive power with respect to these securities.

1	NAME OF REPORTING PERSONS				
	Polaris Venture Partners Special Founders' Fund V, L.P.				
2					
	(a) 🗆 (t) 🗠			
3	SEC USE O	NLY			
4	CITIZENSH	IP C	OR PLACE OF ORGANIZATION		
	Delaware				
		5	SOLE VOTING POWER		
Ν	UMBER OF		0		
BF.	SHARES NEFICIALLY	6	SHARED VOTING POWER		
	WNED BY		10,618 (1)		
R	EACH EPORTING	7	SOLE DISPOSITIVE POWER		
	PERSON WITH	0			
	W1111	8	SHARED DISPOSITIVE POWER		
0	ACCRECAT		10,618 (1) MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
9	AGGKEGAI	EA	MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
10					
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES				
11	Image: Percent of class represented by Amount in Row 9				
11		лс	LASS KLINESENTED DT ANIOUNT IN KOW 7		
12	0.0% (2) 2 TYPE OF REPORTING PERSON				
12					
	PN				

(1) All such shares are held of record by PVPSFF V (as defined in Item 2(a) of the Original Schedule 13G). PVM V, the general partner of PVPSFF V, may be deemed to have voting, investment and dispositive power with respect to these securities. Jonathan A. Flint and Terrance G. McGuire, the managing members of PVM V, may each be deemed to share voting, investment and dispositive power with respect to these securities.

1	NAME OF REPORTING PERSONS				
	Polaris Venture Management Co. V, L.L.C.				
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP				
	(a) 🗆 (b)区			
3	SEC USE O	NLY			
4	CITIZENSH	IP C	DR PLACE OF ORGANIZATION		
	Delaware				
		5	SOLE VOTING POWER		
NI	UMBER OF		0		
	SHARES	6	SHARED VOTING POWER		
	NEFICIALLY WNED BY		1,100,852 (1)		
	EACH	7	SOLE DISPOSITIVE POWER		
	EPORTING PERSON				
	WITH	8	0 SHARED DISPOSITIVE POWER		
		0			
	ACODECAT		1,100,852 (1)		
9	AGGREGAI	ΕA	MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	1,100,852 (1				
10	10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES				
11	11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9				
	3.5% (2)				
12					
	00				
	00				

(1) 1,062,259 of such shares are held of record by PVP V, 20,701 of such shares are held of record by PVPE V, 7,274 of such shares are held of record by PVPFF V and 10,618 of such shares are held of record by PVPSFF V. PVM V, the general partner of each of PVP V, PVPE V, PVPFF V and PVPSFF V, may be deemed to have voting, investment and dispositive power with respect to these securities. Jonathan A. Flint and Terrance G. McGuire, the managing members of PVM V, may each be deemed to share voting, investment and dispositive power with respect to these securities.

		_			
1	NAME OF REPORTING PERSONS				
	Delasie Mart as Destroyer IV I. D				
	Polaris Venture Partners IV, L.P.				
2		E AI 5) 🗵	PPROPRIATE BOX IF A MEMBER OF A GROUP		
	(a) □ (i) 🗠			
3	SEC USE O	NTT X	7		
3	SEC USE U	NLY			
4	CITIZENSI		OR PLACE OF ORGANIZATION		
4	CHIZENSH	IP C	JK PLACE OF OKOANIZATION		
	Delaware				
	Delutture	5	SOLE VOTING POWER		
		5			
N	UMBER OF		0		
1	SHARES	6	SHARED VOTING POWER		
BE	NEFICIALLY				
	WNED BY		316,980 (1)		
	EACH	7	SOLE DISPOSITIVE POWER		
	EPORTING				
	PERSON		0		
	WITH	8	SHARED DISPOSITIVE POWER		
			316,980 (1)		
9	AGGREGAT	ΓE Α	MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	21 (000 (1)				
10	316,980 (1)	VII	THE ACCDECATE AMOUNT IN DOW (0) EVOLUDED CEDTAIN QUADED		
10	CHECK BU	лIf	F THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES		
	П				
11					
11	I LICENT (,			
	1.0% (2)				
12					
	PN				
L					

(1) All such shares are held of record by PVP IV (as defined in Item 2(a) of the Original Schedule 13G). PVM IV (as defined in Item 2(a) of the Original Schedule 13G), the general partner of PVP IV, may be deemed to have voting, investment and dispositive power with respect to these securities. Jonathan A. Flint and Terrance G. McGuire, the managing members of PVM IV, may each be deemed to share voting, investment and dispositive power with respect to these securities.

1	NAME OF REPORTING PERSONS				
	Polaris Venture Partners Entrepreneurs' Fund IV, L.P.				
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP				
	(a) 🗆 (t) 🗠			
3	SEC USE O	NLY	,		
4	CITIZENSH	IP C	DR PLACE OF ORGANIZATION		
	Delaware				
		5	SOLE VOTING POWER		
N	UMBER OF		0		
	SHARES	6	SHARED VOTING POWER		
	NEFICIALLY WNED BY		5,940 (1)		
R	EACH EPORTING	7	SOLE DISPOSITIVE POWER		
	PERSON		0		
	WITH	8	SHARED DISPOSITIVE POWER		
			5,940 (1)		
9	AGGREGAT	TE A	MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	5,940 (1)				
10	0 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES				
11	PERCENT (OF C	CLASS REPRESENTED BY AMOUNT IN ROW 9		
	0.0% (2)				
12	12 TYPE OF REPORTING PERSON				
	PN				

All such shares are held of record by PVPE IV (as defined in Item 2(a) of the Original Schedule 13G). PVM IV, the general partner of PVPE IV, may be deemed to have voting, investment and dispositive power with respect to these securities. Jonathan A. Flint and Terrance G. McGuire, the managing members of PVM IV, may each be deemed to share voting, investment and dispositive power with respect to these securities.
(2) Produce 21 827 000 shares of Compare Starks and the table of the last of th

1	NAME OF REPORTING PERSONS				
	Poloris Venture Management Co. IV. L. L. C.				
2	Polaris Venture Management Co. IV, L.L.C. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP				
-		$) \boxtimes$			
3	SEC USE OI	NLY			
4	CITIZENSH	IP C	OR PLACE OF ORGANIZATION		
	Delaware				
1		5	SOLE VOTING POWER		
			0		
	UMBER OF SHARES	6	SHARED VOTING POWER		
	NEFICIALLY	Ŭ			
0	WNED BY		322,920 (1)		
р	EACH EPORTING	7	SOLE DISPOSITIVE POWER		
	PERSON		0		
	WITH	8	SHARED DISPOSITIVE POWER		
	ACODECAT		322,920 (1)		
9	AGGREGAI	ΕA	MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	322,920 (1)				
10	CHECK BO	X IF	THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES		
	_				
11	Image: Descent of class represented by amount in row 9				
	I DICEDITI C				
	1.0% (2)				
12	12 TYPE OF REPORTING PERSON				
	00				
	00				

(1) 316,980 of such shares are held of record by PVP IV and 5,940 of such shares are held of record by PVPE IV. PVM IV, the general partner of each of PVP IV and PVPE IV, may be deemed to have voting, investment and dispositive power with respect to these securities. Jonathan A. Flint and Terrance G. McGuire, the managing members of PVM IV, may each be deemed to share voting, investment and dispositive power with respect to these securities.

CUSH	#55234L105				
1	NAME OF REPORTING PERSONS				
	Jonathan A. Flint				
2			PPROPRIATE BOX IF A MEMBER OF A GROUP		
	(a) 🗆 (t	o) 🗵			
3	SEC USE O		,		
3	SEC USE O	NLY			
4	CITIZENSH	IP C	OR PLACE OF ORGANIZATION		
	United States				
		5	SOLE VOTING POWER		
			0		
	UMBER OF SHARES	6	SHARED VOTING POWER		
	NEFICIALLY	÷			
0	WNED BY		1,423,772 (1)		
D	EACH	7	SOLE DISPOSITIVE POWER		
	EPORTING PERSON		0		
	WITH	8	SHARED DISPOSITIVE POWER		
		Ũ			
			1,423,772 (1)		
9	AGGREGAT	TE A	MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	1 402 770 (1	`			
10	1,423,772 (1 CHECK BO		THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES		
10	enden bo				
11	PERCENT (DF C	LASS REPRESENTED BY AMOUNT IN ROW 9		
	1 59/ (2)				
12	4.5% (2) TYPE OF REPORTING PERSON				
12					
	IN				

(1) 1,062,259 of such shares are held of record by PVP V, 20,701 of such shares are held of record by PVPE V, 7,274 of such shares are held of record by PVPFF V, 10,618 of such shares are held of record by PVPFF V, 316,980 of such shares are held of record by PVP IV and 5,940 of such shares are held of record by PVPE IV. PVM V, the general partner of each of PVP V, PVPFF V and PVPSFF V, may be deemed to have voting, investment and dispositive power with respect to these securities. PVM IV, the general partner of each of PVP IV and PVPE IV, may be deemed to have voting, investment and dispositive power with respect to these securities. Jonathan A. Flint and Terrance G. McGuire, the managing members of each of PVM V and PVM IV, may each be deemed to share voting, investment and dispositive power with respect to these securities.

CUSH	#55234L105				
1	NAME OF REPORTING PERSONS				
	Terrance G. McGuire				
2			PPROPRIATE BOX IF A MEMBER OF A GROUP		
	(a) 🗆 (t	o) 🗵			
3	SEC USE O		,		
3	SEC USE U	NLY			
4	CITIZENSH	IP C	OR PLACE OF ORGANIZATION		
	United State				
		5	SOLE VOTING POWER		
			0		
	UMBER OF SHARES	6	SHARED VOTING POWER		
	NEFICIALLY	÷			
0	WNED BY		1,423,772 (1)		
р	EACH EPORTING	7	SOLE DISPOSITIVE POWER		
	PERSON		0		
	WITH	8	SHARED DISPOSITIVE POWER		
		÷			
			1,423,772 (1)		
9	AGGREGAT	TE A	MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	1,423,772 (1	`			
10			THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES		
	211201200				
11	PERCENT ($OF \overline{C}$	LASS REPRESENTED BY AMOUNT IN ROW 9		
	4.5% (2)				
12					
12					
	IN				

(1) 1,062,259 of such shares are held of record by PVP V, 20,701 of such shares are held of record by PVPE V, 7,274 of such shares are held of record by PVPFF V, 10,618 of such shares are held of record by PVPFF V, 316,980 of such shares are held of record by PVP IV and 5,940 of such shares are held of record by PVPE IV. PVM V, the general partner of each of PVP V, PVPFF V and PVPSFF V, may be deemed to have voting, investment and dispositive power with respect to these securities. PVM IV, the general partner of each of PVP IV and PVPE IV, may be deemed to have voting, investment and dispositive power with respect to these securities. Jonathan A. Flint and Terrance G. McGuire, the managing members of each of PVM V and PVM IV, may each be deemed to share voting, investment and dispositive power with respect to these securities.

<u>Introductory Note</u>. This Amendment No. 1 (the "Amendment") amends and supplements the Schedule 13G originally filed by the Reporting Persons with the Commission on February 12, 2021 (the "Original Schedule 13G"). Only those items that are hereby reported are amended; all other items reported in the Original Schedule 13G remain unchanged. Information given in response to each item shall be deemed incorporated by reference in all other items, as applicable. Capitalized terms not defined in this Amendment have the meanings ascribed to them in the Original Schedule 13G.

ITEM 4. OWNERSHIP

The following information with respect to the ownership of the common stock of the Issuer by the Reporting Persons filing this Statement is provided as of December 31, 2022:

(a) Amount beneficially owned:

See Row 9 of cover page for each Reporting Person and the corresponding footnotes.*

(b) Percent of Class:

See Row 11 of cover page for each Reporting Person and the corresponding footnotes.*

- (c) Number of shares as to which such person has:
- (i) Sole power to vote or to direct the vote:

See Row 5 of cover page for each Reporting Person and the corresponding footnotes.*

(ii) Shared power to vote or to direct the vote:

See Row 6 of cover page for each Reporting Person and the corresponding footnotes.*

(iii) Sole power to dispose or to direct the disposition of:

See Row 7 of cover page for each Reporting Person and the corresponding footnotes.*

(iv) Shared power to dispose or to direct the disposition of:

See Row 8 of cover page for each Reporting Person and the corresponding footnotes.*

* Each of the Reporting Persons disclaims beneficial ownership as to such securities, except for the securities, if any, such Reporting Person holds of record and to the extent of such Reporting Person's pecuniary interest therein.

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 Persons have ceased to be the beneficial owners of more than 5 percent of the class of securities, check the following \boxtimes .

SIGNATURES

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.

Date: February 7, 2023

POLARIS VENTURE PARTNERS V, L.P.

By: Polaris Venture Management Co. V, L.L.C.

By: *

Authorized Signatory

POLARIS VENTURE PARTNERS ENTREPRENEURS' FUND V, L.P.

By: Polaris Venture Management Co. V, L.L.C.

By: *

Authorized Signatory

POLARIS VENTURE PARTNERS FOUNDERS' FUND V, L.P.

By: Polaris Venture Management Co. V, L.L.C.

By: *

Authorized Signatory

POLARIS VENTURE PARTNERS SPECIAL FOUNDERS' FUND V, L.P.

- By: Polaris Venture Management Co. V, L.L.C.
- By: *

Authorized Signatory

POLARIS VENTURE MANAGEMENT CO. V, L.L.C.

By: *

Authorized Signatory

POLARIS VENTURE PARTNERS IV, L.P.

By: Polaris Venture Management Co. IV, L.L.C.

By: *

Authorized Signatory

POLARIS VENTURE PARTNERS ENTREPRENEURS' FUND IV, L.P.

By: Polaris Venture Management Co. IV, L.L.C.

By: *

Authorized Signatory

POLARIS VENTURE MANAGEMENT CO. IV, L.L.C.

Authorized Signatory

JONATHAN A. FLINT

By: *

*

Jonathan A. Flint

TERRANCE G. MCGUIRE

By: *

Terrance G. McGuire

*By: /s/ Lauren Crockett

Name: Lauren Crockett Attorney-in-Fact

[*This Schedule 13G was executed pursuant to a Power of Attorney. Note that copies of the applicable Powers of Attorney are already on file with the appropriate agencies.]