SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

SCHEDULE 13D

Under the Securities Exchange Act of 1934

(Amendment No. 4)*

LENZ Therapeutics, Inc.

(Name of Issuer)

Common Stock, par value \$0.00001 per share

(Title of Class of Securities)

52635N103

(CUSIP Number)

Max Eisenberg One Sansome Street, Suite 1650, San Francisco, CA, 94104 415-801-8100

(Name, Address and Telephone Number of Person Authorized to Receive Notices and Communications)

06/10/2025

(Date of Event Which Requires Filing of This Statement)

If the filing person has previously filed a statement on Schedule 13G to report the acquisition that is the subject of this Schedule 13D, and is filing this schedule because of §§ 240.13d-1(e), 240.13d-1(f) or 240.13d-1(g), check the following box.

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).

SCHEDULE 13D

CUSIP No. 52635N103

1	Name of reporting person
	Versant Venture Capital VI, L.P.
2	Check the appropriate box if a member of a Group (See Instructions) (a) (b)
3	SEC use only

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4	Source of funds (See Instructions)				
7	wc				
_	Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)				
5					
_	Citizenship or place of organization				
6	DELAWARE				
		Sole Voting Power			
	7	2,101,199.00			
Number of Shares		Shared Voting Power			
Beneficial ly Owned	8	0.00			
by Each Reporting Person	-	Sole Dispositive Power			
Person With:	9	2,101,199.00			
	40	Shared Dispositive Power			
	10	0.00			
	Aggregate a	amount beneficially owned by each reporting person			
11	2,101,199.0	2,101,199.00			
40	Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)				
12					
13	Percent of class represented by amount in Row (11)				
13	7.5 %				
44	Type of Reporting Person (See Instructions)				
14	PN				
14	Type of Reporting Person (See Instructions)				

Comment for Type of Reporting Person:

All shares are held by Versant VI (as defined in Item 2(a) of the Original Schedule 13D (as defined in Item 1 below)). Versant VI GP-GP (as defined in Item 2(a) of the Original Schedule 13D) is the general partner of Versant VI. Each of Versant VI GP (as defined in Item 2(a) of the Original Schedule 13D), which is the general partner of Versant VI. Each of Versant VI GP-GP and Versant VI GP may be deemed to share voting, investment and dispositive power with respect to the shares held by Versant VI.

The percentage in Row 13 is based on 28,146,154 shares of Common Stock (as defined in Item 1 of the Original Schedul e 13D) outstanding as of May 1, 2025, as set forth in the Issuer's quarterly report on Form 10-Q for the quarter ended Mar ch 31, 2025, filed with the United States Securities and Exchange Commission (the "Commission") on May 7, 2025 (the "Form 10-Q").

CUSIP No.

1	Name of reporting person			
	Versant Ventures VI GP, L.P.			
	Check the appropriate box if a member of a Group (See Instructions)			
2	□ (a)▼ (b)			
3	SEC use only			
4	Source of funds (See Instructions)			
4	AF			

5	Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)			
6	Citizenship or place of organization DELAWARE			
	7	Sole Voting Power 0.00		
Number of Shares Beneficial ly Owned	8	Shared Voting Power 2,101,199.00		
by Each Reporting Person With:	9	Sole Dispositive Power 0.00		
	10	Shared Dispositive Power 2,101,199.00		
11	Aggregate amount beneficially owned by each reporting person 2,101,199.00			
12	Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)			
13	Percent of class represented by amount in Row (11) 7.5 %			
14	Type of Reporting Person (See Instructions) PN			

Comment for Type of Reporting Person:

All shares are held by Versant VI. Versant Ventures VI GP-GP is the general partner of Versant Ventures VI GP, which is the general partner of Versant VI. Each of Versant Ventures VI GP-GP and Versant Ventures VI GP may be deemed to share voting, investment and dispositive power with respect to the shares held by Versant VI.

The percentage in Row 13 is based on 28,146,154 shares of Common Stock outstanding as of May 1, 2025, as report ed by the Issuer in the Form 10-Q.

CUSIP No.

1	Name of reporting person			
	Versant Ventures VI GP-GP, LLC			
	Check the appropriate box if a member of a Group (See Instructions)			
2	□ (a)☑ (b)			
3	SEC use only			
4	Source of funds (See Instructions)			
7	AF			
_	Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)			
5				
6	Citizenship or place of organization			
l °	DELAWARE			

Number of Shares	7	Sole Voting Power	
		0.00	
	8	Shared Voting Power	
Beneficial ly Owned		2,101,199.00	
by Each Reporting	•	Sole Dispositive Power	
Person With:	9	0.00	
	40	Shared Dispositive Power	
	10	2,101,199.00	
	Aggregate amount beneficially owned by each reporting person		
11	2,101,199.00		
	Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)		
12			
	Percent of class represented by amount in Row (11)		
13	7.5 %		
44	Type of Reporting Person (See Instructions)		
14	00		

Comment for Type of Reporting Person:

All shares are held by Versant VI. Versant Ventures VI GP-GP is the general partner of Versant Ventures VI GP, which is the general partner of Versant VI. Each of Versant Ventures VI GP-GP and Versant Ventures VI GP may be deemed to share voting, investment and dispositive power with respect to the shares held by Versant VI.

The percentage in Row 13 is based on 28,146,154 shares of Common Stock outstanding as of May 1, 2025, as report ed by the Issuer in the Form 10-Q.

CUSIP No.	52635N103	
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4	Name of re	porting person	
1	Versant Vantage II, L.P.		
	Check the appropriate box if a member of a Group (See Instructions)		
2	(a) (b)		
3	SEC use or	nly	
4	Source of funds (See Instructions)		
4	wc		
_	Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)		
5			
•	Citizenship or place of organization		
6	DELAWARE		
Number of Shares	7	Sole Voting Power	
Beneficial ly Owned		842,162.00	
by Each Reporting	8	Shared Voting Power	
Person With:		0.00	
	-		

	9	Sole Dispositive Power		
		842,162.00		
	10	Shared Dispositive Power		
		0.00		
11	Aggregate amount beneficially owned by each reporting person			
''	842,162.00	842,162.00		
40	Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)			
12				
42	Percent of class represented by amount in Row (11)			
13	13 3 %			
44	Type of Reporting Person (See Instructions)			
14	PN			

Comment for Type of Ferson:

All shares are held by Versant Vantage II (as defined in Item 2(a) of the Original Schedule 13D). Versant Vantage II GP (a sefined in Item 2(a) of the Original Schedule 13D) is the general partner of Versant Vantage II, and Versant Vantage II GP (a sefined in Item 2(a) of the Original Schedule 13D) is the general partner of Versant Vantage II GP. Each of Versant Vantage II GP and Versant Vantage II GP share voting, investment and dispositive power over the shares held by Versant Vantage II.

The percentage in Row 13 is based on 28,146,154 shares of Common Stock outstanding as of May 1, 2025, as reported by the Issuer in the Form 10-Q.

CUSIP No.	52635N103		
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	Name of reporting person
1	Versant Vantage II GP, L.P.
	Check the appropriate box if a member of a Group (See Instructions)
2	(a) (b)
3	SEC use only
4	Source of funds (See Instructions)
4	AF
5	Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)
3	
6	Citizenship or place of organization
•	DELAWARE

		Sole Voting Power	
	7	0.00	
Number of Shares	8	Shared Voting Power	
Beneficial ly Owned		842,162.00	
by Each Reporting		Sole Dispositive Power	
Person With:	9	0.00	
	10	Shared Dispositive Power	
	10	842,162.00	
	Aggregate amount beneficially owned by each reporting person		
11	842,162.00		
	Check if the	e aggregate amount in Row (11) excludes certain shares (See Instructions)	
12			
40	Percent of o	class represented by amount in Row (11)	
13	3 %		
44	Type of Rep	porting Person (See Instructions)	
14 PN			

Comment for Type of Reporting Person:

All shares are held by Versant Vantage II. Versant Vantage II GP is the general partner of Versant Vantage II GP. Each of Versant Vantage II GP and Versant Vantage II GP-GP share voting, investment and dispositive power over the shares held by Versant Vantage II.

The percentage in Row 13 is based on 28,146,154 shares of Common Stock outstanding as of May 1, 2025, as report ed by the Issuer in the Form 10-Q.

CUSIP No.	52635N103
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,	Name of rep	porting person	
1	Versant Vantage II GP-GP, LLC		
	Check the a	appropriate box if a member of a Group (See Instructions)	
2	(a) (b)		
3	SEC use only		
4	Source of funds (See Instructions)		
4 AF			
-	Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)		
5			
	Citizenship	or place of organization	
6	DELAWARE		
Number of Shares	7	Sole Voting Power	
Beneficial ly Owned	,	0.00	
by Each Reporting	8	Shared Voting Power	
Person With:	°	842,162.00	

	9	Sole Dispositive Power
	9	0.00
	40	Shared Dispositive Power
	10	842,162.00
11	Aggregate amount beneficially owned by each reporting person	
11	842,162.00	
40	Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)	
12		
42	Percent of class represented by amount in Row (11)	
13	13 3 %	
44	Type of Reporting Person (See Instructions)	
14 00		

Comment for Type of Reporting Porson:

All shares are held by Versant Vantage II. Versant Vantage II GP is the general partner of Versant Vantage II GP. Each of Versant Vantage II GP and Versant Vantage II GP-GP share voting, investment and dispositive power over the shares held by Versant Vantage II.

The percentage in Row 13 is based on 28,146,154 shares of Common Stock outstanding as of May 1, 2025, as report ed by the Issuer in the Form 10-Q.

CUSIP No.	52635N103

1	Name of re	porting person	
1	Versant Venture Capital VII, L.P.		
	Check the appropriate box if a member of a Group (See Instructions)		
2	(a) (b)		
3	SEC use or	nly	
4	Source of f	unds (See Instructions)	
7	WC		
5	Check if dis	sclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)	
5			
6	Citizenship	or place of organization	
0	DELAWARE		
	_	Sole Voting Power	
	7	1,319,323.00	
Number of Shares	8	Shared Voting Power	
Beneficial ly Owned	0	0.00	
by Each Reporting	9	Sole Dispositive Power	
Person With:	9	1,319,323.00	
	10	Shared Dispositive Power	
	10	0.00	

44	Aggregate amount beneficially owned by each reporting person
11	1,319,323.00
40	Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)
12	
40	Percent of class represented by amount in Row (11)
13	4.7 %
14	Type of Reporting Person (See Instructions)
14	PN

Comment for Type of Ferson:

Consists of (i) 1,248,789 shares of Common Stock held by Versant VII (as defined in Item 2(a) of the Original Schedule 13 D) and (ii) 70,534 shares of Common Stock issuable upon exercise of a warrant to purchase shares of Common Stock (the "Warrant") held by Versant VII. Versant Ventures VII GP-GP (as defined in Item 2(a) of the Original Schedule 13D) is the general partner of Versant Ventures VII GP (as defined in Item 2(a) of the Original Schedule 13D), which is the general partner of Versant VII. Each of Versant Ventures VII GP-GP and Versant Ventures VII GP may be deemed to share voting, in vestment and dispositive power with respect to the shares held by Versant VII.

The percentage in Row 13 is based upon 28,216,688 shares of Common Stock, which consists of (i) 28,146,154 shares of Common Stock outstanding as of May 1, 2025, as set forth in the Form 10-Q, plus (ii) 70,534 shares of Common Stock iss uable upon exercise of the Warrant held by Versant VII.

CUSIP No.	52635N103		
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4	Name of re	porting person		
1	Versant Ven	itures VII GP, L.P.		
	Check the appropriate box if a member of a Group (See Instructions)			
2	(a) (b)			
3	SEC use or	nly		
4	Source of f	unds (See Instructions)		
4	AF			
-	Check if dis	sclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)		
5				
	Citizenship	or place of organization		
6	DELAWARE			
		Sole Voting Power		
	7	0.00		
Number of Shares		Shared Voting Power		
Beneficial ly Owned	8	1,319,323.00		
by Each Reporting	•	Sole Dispositive Power		
Person With:	9	0.00		
	10	Shared Dispositive Power		
	10	1,319,323.00		
	Aggregate	amount beneficially owned by each reporting person		
11	1,319,323.0	1,319,323.00		

12	Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)
13	Percent of class represented by amount in Row (11) 4.7 %
14	Type of Reporting Person (See Instructions) PN

Person:

Comment for Type of Consists of (i) 1,248,789 shares of Common Stock held by Versant VII and (ii) 70,534 shares of Common Stock issuable upon exercise of the Warrant held by Versant VII. Versant Ventures VII GP-GP is the general partner of Versant Ventures VII GP, which is the general partner of Versant VII. Each of Versant Ventures VII GP-GP and Versant Ventures VII GP ma yellow by Versant VII.

The percentage in Row 13 is based upon 28,216,688 shares of Common Stock, which consists of (i) 28,146,154 shares of Common Stock outstanding as of May 1, 2025, as set forth in the Form 10-Q, plus (ii) 70,534 shares of Common Stock i ssuable upon exercise of the Warrant held by Versant VII.

CUSIP No.

1	Name of reporting person		
	Versant Ventures VII GP-GP, LLC		
	Check the appropriate box if a member of a Group (See Instructions)		
2	(a)✓ (b)		
3	SEC use only		
4	Source of funds (See Instructions)		
	AF		
5	Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)		
_	Citizenship or place of organization		
6	DELAWARE		
		Sole Voting Power	
	7	0.00	
Number		Shared Voting Power	
of Shares Beneficial ly Owned	8	1,319,323.00	
by Each Reporting	9	Sole Dispositive Power	
Person With:		0.00	
With.	10	Shared Dispositive Power	
		1,319,323.00	
	Aggregate amount beneficially owned by each reporting person		
11	1,319,323.00		
	Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)		
12			
13	Percent of class represented by amount in Row (11)		

I		4.7 %		
	14	Type of Reporting Person (See Instructions)		
	14	00		

Person:

Comment Consists of (i) 1,248,789 shares of Common Stock held by Versant VII and (ii) 70,534 shares of Common Stock issuable upon exercise of the Warrant held by Versant VII. Versant Ventures VII GP-GP is the general partner of Versant VII. Each of Versant Ventures VII GP-GP and Versant Ventures VII GP ma y be deemed to share voting, investment and dispositive power with respect to the shares held by Versant VII.

The percentage in Row 13 is based upon 28,216,688 shares of Common Stock, which consists of (i) 28,146,154 shares o f Common Stock outstanding as of May 1, 2025, as set forth in the Form 10-Q, plus (ii) 70,534 shares of Common Stock i ssuable upon exercise of the Warrant held by Versant VII.

SCHEDULE 13D

Security and Issuer Item 1.

Title of Class of Securities: (a)

Common Stock, par value \$0.00001 per share

(b) Name of Issuer:

LENZ Therapeutics, Inc.

(c) Address of Issuer's Principal Executive Offices:

201 Lomas Santa Fe Dr., Suite 300, Solana Beach, CALIFORNIA, 92075.

Item 1

This Amendment No. 4 (this "Amendment") amends and supplements the Schedule 13D originally filed by certain of the Comment: Reporting Persons with the Commission on July 9, 2021 as it has been amended by Amendment No. 1 that was filed wi th the Commission on November 17, 2023, Amendment No. 2 that was filed with the Commission on March 25, 2024 a nd Amendment No. 3 that was filed with the Commission on November 8, 2024 (collectively, the "Original Schedule 13 D"). Only those items that are hereby reported are amended; all other items reported in the Original Schedule 13D rem ain unchanged. Information given in response to each item shall be deemed incorporated by reference in all other item s, as applicable. Capitalized terms not defined in this Amendment have the meanings ascribed to them in the Original S chedule 13D.

Item 5. Interest in Securities of the Issuer

- See Items 7-11 and 13 of the cover pages of this Amendment for each Reporting Person and the corresponding comments. (a)
- (b) See Items 7-11 and 13 of the cover pages of this Amendment for each Reporting Person and the corresponding comments.
- (c) On June 10, 2025, Versant VII sold 350,000 shares of Common Stock at a price per share of \$29.00 for aggregate proceeds of appr oximately \$10,150,000.00

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.

Versant Venture Capital VI, L.P.

Signature: /s/Max Eisenberg

Max Eisenberg/COO of Versant Ventures VI GP-GP, LLC, the GP of Versant Ventures VI GP, L.P., the GP of Versant Name/Title:

Venture Capital VI, L.P.

Date: 06/12/2025

Versant Ventures VI GP, L.P.

Signature: /s/Max Eisenberg

Name/Title: Max Eisenberg/COO of Versant Ventures VI GP-GP, LLC,

the General Partner of Versant Ventures VI GP, L.P.

06/12/2025 Date:

Versant Ventures VI GP-GP, LLC

Signature: /s/Max Eisenberg Name/Title: Max Eisenberg/COO

Date: 06/12/2025

Versant Vantage II, L.P.

Signature: /s/Max Eisenberg

Max Eisenberg/COO of Versant Vantage II GP-GP, LLC, the GP of Versant Vantage II GP, L.P., the GP of Versant Vantage II, L.P. Name/Title:

Date: 06/12/2025

Versant Vantage II GP, L.P.

Signature: /s/Max Eisenberg

Max Eisenberg/COO of Versant Vantage II GP-GP, LLC, the General Partner of Versant Vantage II GP, L.P. Name/Title:

06/12/2025 Date:

Versant Vantage II GP-GP, LLC

Signature: /s/Max Eisenberg Name/Title: Max Eisenberg/COO

Date: 06/12/2025

Versant Venture Capital VII, L.P.

Signature: /s/Max Eisenberg

Max Eisenberg/COO of Versant Ventures VII GP-GP, LLC, the GP of Versant Ventures VII GP, L.P., the GP of Versant Venture Capital VII, L.P. Name/Title:

Date: 06/12/2025

Versant Ventures VII GP, L.P.

Signature: /s/Max Eisenberg

Max Eisenberg/COO of Versant Ventures VII GP-GP, LLC, the General Partner of Versant Ventures VII GP, L.P. Name/Title:

Date: 06/12/2025

Versant Ventures VII GP-GP, LLC

Signature: /s/Max Eisenberg Name/Title: Max Eisenberg/COO

06/12/2025 Date: