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

SCHEDULE 13D

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

Vor Biopharma Inc.

(Name of Issuer)

Common Stock, par value \$0.0001 per share

(Title of Class of Securities)

929033108

(CUSIP Number)

Paul A. Stone Chief Legal Officer 5AM Venture Management, LLC 501 2nd Street, Suite 350 San Francisco, CA 94107 (415) 993-8565

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

February 14, 2024

(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 $\S\S240.13d-1(e)$, 240.13d-1(f) or 240.13d-1(g), check the following box.

Note: Schedules filed in paper format shall include a signed original and five copies of the schedule, including all exhibits. See Rule 13d-7 for other parties to whom copies are to be sent.

* 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).

CUSIP No.	929033108	3			
1.	Names of Reporting Persons 5AM Ventures VI, L.P.				
2.	Check the	Appropriate Box if a Member of a Group (See Instructions)			
	(a)				
	(b)	⊠ (1)			
3.	SEC Use C	only			
4.	Source of F WC	Funds (See Instructions)			
5.	Check if D	isclosure of Legal Proceedings Is Required Pursuant to Items 2(d) or 2(e)			
6.	Citizenship Delaware	or Place of Organization			
Number of	7.	Sole Voting Power 0			
Shares Beneficially	8.	Shared Voting Power 4,595,089 shares of Common Stock (2)			
Owned by Each Reporting	9.	Sole Dispositive Power 0			
Person With	10.	Shared Dispositive Power 4,595,089 shares of Common Stock (2)			
11.		Amount Beneficially Owned by Each Reporting Person shares of Common Stock (2)			
12.	Check if th	e Aggregate Amount in Row (11) Excludes Certain Shares (See Instructions)			
13.	Percent of Class Represented by Amount in Row (11) 6.8% (3)				
14.	Type of Reporting Person (See Instructions) PN				
Opportu with 5A	nities"), 5A M VI, 5AN	is filed by 5AM Ventures VI, L.P. ("5AM VI"), 5AM Partners VI, LLC ("5AM Partners VI"), 5AM Opportunities I, L.P. ("5AM M Opportunities I (GP), LLC ("5AM Opportunities GP"), Andrew J. Schwab ("Schwab") and Dr. Kush Parmar ("Dr. Parmar"), M Partners VI, 5AM Opportunities, 5AM Opportunities GP and Schwab, collectively, the "Reporting Persons"). The Reporting isclaim status as a "group" for purposes of this Schedule 13D.			
` '	nares are hel eld by 5AM	d by 5AM VI. Schwab and Dr. Parmar, as Managing Members of 5AM Partners VI, share voting and investment authority over the VI.			
		calculated based upon 67,805,687 shares of Common Stock outstanding as of November 3, 2023, as reported in the Issuer's Form 10-Q filed with the Securities and Exchange Commission (the "SEC") on November 7, 2023.			

CUSIP No.	92903310	8					
1.		Names of Reporting Persons 5AM Partners VI, LLC					
2.	Check the	Appropriate Box if a Member of a Group (See Instructions)					
	(a)						
	(b)	\boxtimes (1)					
3.	SEC Use C	Only					
4.	Source of I	Funds (See Instructions)					
5.	Check if D	Disclosure of Legal Proceedings Is Required Pursuant to Items 2(d) or 2(e)					
6.	Citizenshij Delaware	p or Place of Organization					
Number of	7.	Sole Voting Power 0					
Shares Beneficially	8.	Shared Voting Power 4,595,089 shares of Common Stock (2)					
Owned by Each Reporting Person Witl	9.	Sole Dispositive Power 0					
	¹ 10.	Shared Dispositive Power 4,595,089 shares of Common Stock (2)					
11.		Aggregate Amount Beneficially Owned by Each Reporting Person 4,595,089 shares of Common Stock (2)					
12.	Check if th	ne Aggregate Amount in Row (11) Excludes Certain Shares (See Instructions)					
13.	Percent of Class Represented by Amount in Row (11) 6.8% (3)						
14.	Type of Re	eporting Person (See Instructions)					
1) This Sch	nedule 13D	is filed by the Reporting Persons. The Reporting Persons expressly disclaim status as a "group" for purposes of this Schedule 13D.					
		shares held by 5AM VI. Schwab and Dr. Parmar, as Managing Members of 5AM Partners VI, share voting and investment hares held by 5AM VI.					
		calculated based upon 67,805,687 shares of Common Stock outstanding as of November 3, 2023, as reported in the Issuer's a Form 10-Q filed with the SEC on November 7, 2023.					

CUSIP No.	9290331	08							
	Names of Reporting Persons 5AM Opportunities I, L.P.								
2.	Check the	Appropriate Box if a Member of a Group (See Instructions)							
	(a)								
	(b)	☑ (1)							
3.	SEC Use Only								
4.	Source of WC	Funds (See Instructions)							
5.	Check if I	Disclosure of Legal Proceedings Is Required Pursuant to Items 2(d) or 2(e)							
6.	Citizensh Delaware	ip or Place of Organization							
Number of	7. Sole Voting Power 0								
Shares Beneficially	8.	Shared Voting Power 1,766,634 shares of Common Stock (2)							
Owned by Each Reporting	9.	Sole Dispositive Power 0							
Person With	10.	Shared Dispositive Power 1,766,634 shares of Common Stock (2)							
11.		e Amount Beneficially Owned by Each Reporting Person shares of Common Stock (2)							
12.	Check if t	he Aggregate Amount in Row (11) Excludes Certain Shares (See Instructions)							
13.	Percent of Class Represented by Amount in Row (11) 2.6% (3)								
14.	Type of Reporting Person (See Instructions) PN								
(1) This Sch	nedule 13E	D is filed by the Reporting Persons. The Reporting Persons expressly disclaim status as a "group" for purposes of this Schedule 13D.							
		eld by 5AM Opportunities. Schwab and Dr. Parmar, as Managing Members of 5AM Opportunities GP, share voting and investment shares held by 5AM Opportunities.							
	3) This percentage is calculated based upon 67,805,687 shares of Common Stock outstanding as of November 3, 2023, as reported in the Issuer's Quarterly Report on Form 10-Q filed with the SEC on November 7, 2023.								

CUSIP No.	92903310	8						
1.	Names of Reporting Persons 5AM Opportunities I (GP), LLC							
2.	Check the Appropriate Box if a Member of a Group (See Instructions)							
	(a)							
	(b)	\boxtimes (1)						
3.	SEC Use Only							
4.	Source of Funds (See Instructions) AF							
5.	Check if D	Disclosure of Legal Proceedings Is Required Pursuant to Items 2(d) or 2(e)						
6.	Citizenship Delaware	p or Place of Organization						
Number of	7.	Sole Voting Power 0						
Shares Beneficially	8.	Shared Voting Power 1,766,634 shares of Common Stock (2)						
Owned by Each Reporting	9.	Sole Dispositive Power 0						
Person With	¹ 10.	Shared Dispositive Power 1,766,634 shares of Common Stock (2)						
11.		Amount Beneficially Owned by Each Reporting Person shares of Common Stock (2)						
12.	Check if th	ne Aggregate Amount in Row (11) Excludes Certain Shares (See Instructions)						
13.	Percent of Class Represented by Amount in Row (11) 2.6% (3)							
14.	Type of Re	eporting Person (See Instructions)						
1) This Scl	nedule 13D	is filed by the Reporting Persons. The Reporting Persons expressly disclaim status as a "group" for purposes of this Schedule 13D.						
		shares held by 5AM Opportunities. Schwab and Dr. Parmar, as Managing Members of 5AM Opportunities GP, share voting and y over the shares held by 5AM Opportunities.						
		calculated based upon 67,805,687 shares of Common Stock outstanding as of November 3, 2023, as reported in the Issuer's a Form 10-Q filed with the SEC on November 7, 2023.						

CUSIP No.	929033108	\mathbf{B}					
1.		Names of Reporting Persons Andrew J. Schwab					
2.	Check the Appropriate Box if a Member of a Group (See Instructions)						
	(a)						
	(b)	☑ (1)					
3.	SEC Use O	nly					
4.	Source of Funds (See Instructions) AF						
5.	Check if Di	isclosure of Legal Proceedings Is Required Pursuant to Items 2(d) or 2(e)					
6.	Citizenship or Place of Organization United States						
Number of	7.	Sole Voting Power 0					
Shares Beneficially	8.	Shared Voting Power 6,361,723 shares of Common Stock (2)					
Owned by Each Reporting	9.	Sole Dispositive Power 0					
Person With	10.	Shared Dispositive Power 6,361,723 shares of Common Stock (2)					
11.		Amount Beneficially Owned by Each Reporting Person shares of Common Stock (2)					
12.	Check if the	e Aggregate Amount in Row (11) Excludes Certain Shares (See Instructions)					
13.	Percent of Class Represented by Amount in Row (11) 9.4% (3)						
14.	Type of Reporting Person (See Instructions) IN						
(1) This Sch	nedule 13D i	is filed by the Reporting Persons. The Reporting Persons expressly disclaim status as a "group" for purposes of this Schedule 13D.					
of 5AM	Partners VI	89 shares held by 5AM VI; and (ii) 1,766,634 shares held by 5AM Opportunities. Schwab and Dr. Parmar, as Managing Members, share voting and investment authority over the shares held by 5AM VI. Schwab and Dr. Parmar, as Managing Members of 5AM pare voting and investment authority over the shares held by 5AM Opportunities.					
		calculated based upon 67,805,687 shares of Common Stock outstanding as of November 3, 2023, as reported in the Issuer's Form 10-Q filed with the SEC on November 7, 2023.					

CUSIP No.	929033108						
1.	Names of Reporting Persons Dr. Kush Parmar						
2.	Check the Appropriate Box if a Member of a Group (See Instructions)						
	(a)						
	(b)	⊠ (1)					
3.	SEC Use O	nly					
4.	Source of Funds (See Instructions) AF						
5.	Check if Di	sclosure of Legal Proceedings Is Required Pursuant to Items 2(d) or 2(e)					
6.	Citizenship or Place of Organization United States						
Number of	7.	Sole Voting Power 0					
Shares Beneficially	8.	Shared Voting Power 6,361,723 shares of Common Stock (2)					
Owned by Each Reporting Person With	9.	Sole Dispositive Power 0					
	10.	Shared Dispositive Power 6,361,723 shares of Common Stock (2)					
11.	Aggregate Amount Beneficially Owned by Each Reporting Person 6,361,723 shares of Common Stock (2)						
12.	Check if the	e Aggregate Amount in Row (11) Excludes Certain Shares (See Instructions)					
13.	Percent of Class Represented by Amount in Row (11) 9.4% (3)						
	Type of Reporting Person (See Instructions) IN						
(1) This Sch	nedule 13D i	s filed by the Reporting Persons. The Reporting Persons expressly disclaim status as a "group" for purposes of this Schedule 13D.					
of 5AM	Partners VI	39 shares held by 5AM VI; and (ii) 1,766,634 shares held by 5AM Opportunities. Schwab and Dr. Parmar, as Managing Members, share voting and investment authority over the shares held by 5AM VI. Schwab and Dr. Parmar, as Managing Members of 5AM hare voting and investment authority over the shares held by 5AM Opportunities.					
		calculated based upon 67,805,687 shares of Common Stock outstanding as of November 3, 2023, as reported in the Issuer's Form 10-Q filed with the SEC on November 7, 2023.					

Explanatory Note: This Amendment No. 1 (the "Amendment"), which amends the Schedule 13D filed with the Securities and Exchange Commission (the "SEC") on February 19, 2021 (the "Original Schedule 13D") filed on behalf of 5AM Ventures VI, L.P. ("5AM VI"), 5AM Partners VI, LLC ("5AM Partners VI"), 5AM Opportunities I, L.P. ("5AM Opportunities"), 5AM Opportunities I (GP), LLC ("5AM Opportunities GP"), Andrew J. Schwab ("Schwab") and Dr. Kush Parmar ("Dr. Parmar" and, with 5AM Partners VI, 5AM VI, 5AM Opportunities, 5AM Opportunities GP and Schwab, collectively, the "Reporting Persons"), relates to the Common Stock of Vor Biopharma Inc., a Delaware corporation (the "Issuer" or "Vor"). This Amendment to the Original Schedule 13D is being filed solely to update the benefical ownership percentages of the Reporting Persons resulting from an increase in the totalnumber of shares of Common Stock outstanding and not due to any transaction by the Reporting Persons.

Item 5. Interest in Securities of the Issuer

Item 5 of the Original Schedule 13D is hereby amended and restated as follows:

(a) – (b). The following information with respect to the ownership of the Common Stock of the Issuer by the persons filing this statement on Schedule 13D is provided as of February 14, 2024:

			Shared	Sole	Shared		
	Shares Held	Sole Voting	Voting	Dispositive	Dispositive	Beneficial	Percentage
Reporting Persons	Directly	Power	Power(1)	Power	Power (1)	Ownership	of Class (3)
5AM VI	4,595,089	0	4,595,089	0	4,595,089	4,595,089	6.8%
5AM Partners VI							
(1)	0	0	4,595,089	0	4,595,089	4,595,089	6.8%
5AM Opportunities	1,766,634	0	1,766,634	0	1,766,634	1,766,634	2.6%
5AM Opportunities							
GP (2)	0	0	1,766,634	0	1,766,634	1,766,634	2.6%
Schwab (1) (2)	0	0	6,361,723	0	6,361,723	6,361,723	9.4%
Dr. Parmar (1) (2)	0	0	6,361,723	0	6,361,723	6,361,723	9.4%

- (1) Includes 4,595,089 shares of Common Stock held by 5AM VI. Schwab and Dr. Parmar, as Managing Members of 5AM Partners VI, share voting and investment authority over the shares held by 5AM VI.
- (2) Includes 1,766,634 shares of Common Stock held by 5AM Opportunities. Schwab and Dr. Parmar, as Managing Members of 5AM Opportunities GP, share voting and investment authority over the shares held by 5AM Opportunities.
- (3) This percentage is calculated based upon 67,805,687 shares of Common Stock outstanding as of November 3, 2023, as reported in the Issuer's Quarterly Report on Form 10-Q filed with the SEC on November 7, 2023.
- (c) Except as set forth herein, none of the Reporting Persons has effected any transactions in shares of the Issuer's Common Stock during the last 60 days.
- (d) No other person is known to have the right to receive or the power to direct the receipt of dividends from, or any proceeds from the sale of, the shares of Common Stock beneficially owned by any of the Reporting Persons.
- (e) Not applicable.

Item 7. Material to be Filed as Exhibits

- A. Joint Filing Agreement as required by Rule 13d-1(k)(1) under the Securities Exchange Act of 1934, as amended (incorporated by reference to the Original Schedule 13D, filed on February 19, 2021).
- B. Amended and Restated Investors' Rights Agreement, dated June 30, 2020 (incorporated by reference to Exhibit 4.2 to the Issuer's Registration Statement on Form S-1 (SEC 333-252175), filed with the SEC on February 3, 2021).

Signature

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

Dated: February 14, 2024

5AM Ventures VI, L.P.

By: 5AM Partners VI, LLC

ts General Partner

By: /s/ Andrew J. Schwab

Name: Andrew J. Schwab Title: Managing Member

5AM Partners VI, LLC

By: /s/ Andrew J. Schwab

Name: Andrew J. Schwab Title: Managing Member

/s/ Andrew J. Schwab

Andrew J. Schwab

5AM Opportunities I, L.P.

By: 5AM Opportunities I (GP), LLC

its General Partner

By: /s/ Andrew J. Schwab

Name: Andrew J. Schwab Title: Managing Member

5AM Opportunities I (GP), LLC

By: /s/ Andrew J. Schwab

Name: Andrew J. Schwab Title: Managing Member

/s/ Dr. Kush Parmar

Dr. Kush Parmar

ATTENTION

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