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

## **SCHEDULE 13D**

(Rule 13d-102)

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT TO RULE 13d-l(a) AND AMENDMENTS THERETO FILED PURSUANT TO RULE 13d-2(a)

(Amendment No. 5)\*

			C 1 1 # D' I			
			Cabaletta Bio, Inc.  (Name of Issuer)	_		
			Common Stock (Title of Class of Securities)			
			12674W109 (CUSIP Number)			
			Rebecca Lucia			
			5AM Venture Management, LLC			
			501 2 <sup>nd</sup> Street, Suite 350 San Francisco, CA 94107			
			(415) 993-8565			
			(Name, Address and Telephone Number of Person Authorized to Receive Notices and Communications)			
			Authorized to Receive Notices and Communications)			
			July 27, 2022 (Date of Event Which Requires Filing of this Statement)			
			statement on Schedule 13G to report the acquisition that is the subject of this Schedule 13D, and is filling), check the following box. $\Box$	ng this schedule because of		
* The r	remainder of this cover prent containing informat	age shall b	<ul> <li>be filled out for a reporting person's initial filing on this form with respect to the subject class of securit would alter disclosures provided in a prior cover page.</li> </ul>	ies, and for any subsequent		
The inf	ormation required on the	remainder	of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Excha	ange Act of 1934 ("Act") or		
			ection of the Act but shall be subject to all other provisions of the Act.	inge rice of 1994 ( rice ) of		
CUSIP	No. 12674W109		13D	Page 2 of 1		
1.	Name of Report					
	5AM Ventures	V, L.P.				
2.	Check the Appre	Check the Appropriate Box if a Member of a Group (see instructions)				
	(a)					
3.	(b) SEC USE ONL	v		⊠(1)		
	SEC OSE ONE	1				
4.	Source of Funds	(see instru	ctions)			
	WC					
5.	Check if Disclos	sure of Lega	al Proceedings Is Required Pursuant to Item 2(d) or 2(e)			
6.	Citizenship or P	lace of Org	anization			
	Delaware					
		7.	Sole Voting Power			
	Number of		0			
	Shares	8.	Shared Voting Power			
	Beneficially		825,258 shares of Common Stock (2)			

Owned by

		9.	Sole Dispositive Power		
Each Reporting		9.	•		
		0			
	Person With	10.	Shared Dispositive Power		
			825,258 shares of Common Stock (2)		
11.	Aggregate Amou	int Benefic	ally Owned by Each Reporting Person		
	825,258 shares o				
12.	Check if the Agg	regate Am	ount in Row (11) Excludes Certain Shares (see instructions)		
13.	Percent of Class	Represente	d by Amount in Row 11		
			% of Combined Common Stock (3)		
14.	Type of Reportin	g Person (s	ee instructions)		
	PN			_	
(2) The hele (3) Bay with	th 5AM Partners V, 5AM rsons expressly disclaim sees shares are held by 5A ld by 5AM V. seed on 25,064,629 shares	I V, 5AM (status as a 'AM V. Schwas of voting a "Combine"	portunities GP"), Andrew J. Schwab ("Schwab"), Dr. Kush Parmar ("Dr. Parmar") and Dr. Scott M. Rocklopportunities, 5AM Opportunities GP, Schwab, Dr. Parmar and Dr. Rocklage, collectively, the "Reporting group" for purposes of this Schedule 13D.  vab, Dr. Parmar and Dr. Rocklage, as managing members of 5AM Partners V, share voting and investment common stock ("Common Stock") and 3,912,500 shares of non-voting common stock ("Non-Voting Common Stock") outstanding as of March 31, 2022 as set forth in the Issuer's Quarterly Report on Form May 12, 2022.	Persons"). The Reporting authority over the share amon Stock" and, together	
	No. 12674W109	D	13D	Page 3 of 1	
1.	Name of Reporti				
2.	5AM Partners V		if a Member of a Group (see instructions)		
۷.	(a)	priate Box	if a Memoer of a Group (see instructions)		
3.	(b) SEC USE ONLY	7		⊠(1)	
<i>3</i> .					
4.	Source of Funds	(see instruc	tions)		
	AF	CI	l Proceedings Is Required Pursuant to Item 2(d) or 2(e)		
5.	Check II Disclosi	ure of Lega	Proceedings is Required Pursuant to Item 2(d) or 2(e)	Ц	
6.	Citizenship or Pl	ace of Orga	nization		
	Delaware				
		7.	Sole Voting Power		
	Number of		0		
	Shares Beneficially	8.	Shared Voting Power		
	Owned by		825,258 shares of Common Stock (2)		
	Each	9.	Sole Dispositive Power		
	Reporting		0		
	Person With	10.	Shared Dispositive Power		
			825,258 shares of Common Stock (2)		
11.	Aggregate Amou	ınt Benefic	ally Owned by Each Reporting Person		
	825,258 shares o				
12.	Check if the Agg	regate Am	ount in Row (11) Excludes Certain Shares (see instructions)		
13.		_	d by Amount in Row 11 % of Combined Common Stock (3)		
	2.3 / 0 G1 COMMIN	2.0	The state of the s		

14.	Type of Reporting	g Person (	see instructions)	
	00			
(2) Th			orting Persons. The Reporting Persons expressly disclaim status as a "group" for purposes of thi wab, Dr. Parmar and Dr. Rocklage, as managing members of 5AM Partners V, share voting ar	
(3) Ba	sed on 25,064,629 shares		non Stock and 3,912,500 shares of Non-Voting Common Stock outstanding as of as of Marc quarter ended March 31, 2022, filed with the SEC on May 12, 2022.	sh 31, 2022 as set forth in the Issuer's
Qu	arterly Report on Form To	-Q for the	quarter clided (viarel) 51, 2022, filed with the SEC of (viay 12, 2022.	
CHSID	No. 12674W109		13D	Page 4 of 11
				1 age 4 01 11
1.	Name of Reportin	g Persons		
2.	5AM Opportunit		if a Member of a Group (see instructions)	
۷.	(a)	mate Box	if a Member of a Group (see instructions)	
3.	(b) SEC USE ONLY			⊠(1)
3.	SEC USE ONL I			
4.	Source of Funds (	see instru	ctions)	
	WC	C.T.		
5.	Check if Disclosu	re of Leg	al Proceedings Is Required Pursuant to Item 2(d) or 2(e)	
6.	Citizenship or Pla	ce of Org	anization	
	Delaware			
		7.	Sole Voting Power	
	Number of		0	
	Shares	8.	Shared Voting Power	
	Beneficially Owned by		205,060 shares of Common Stock (2)	
	Each	9.	Sole Dispositive Power	
	Reporting		0	
	Person With	10.	Shared Dispositive Power	
			205,060 shares of Common Stock (2)	
11.	Aggregate Amour	nt Benefic	ially Owned by Each Reporting Person	
	205,060 shares of	Common	Stock (2)	
12.	Check if the Aggr	egate Am	ount in Row (11) Excludes Certain Shares (see instructions)	
13.	Percent of Class F	Represent	ed by Amount in Row 11	
	0.8% of Common	Stock; 0.	7% of Combined Common Stock (3)	
14.	Type of Reporting	g Person (	see instructions)	
	PN			
			orting Persons. The Reporting Persons expressly disclaim status as a "group" for purposes of thi tunities. Schwab and Dr. Parmar, as managing members of 5AM Opportunities GP, share vo	
	ares held by 5AM Opportu sed on 25,064,629 shares		non Stock and 3,912,500 shares of Non-Voting Common Stock outstanding as of as of Marc	ch 31, 2022 as set forth in the Issuer's
			quarter ended March 31, 2022, filed with the SEC on May 12, 2022.	,
CUSIP	No. 12674W109		13D	Page 5 of 11
1.	Name of Reportin	g Persons		
	5AM Opportunit			

	(a)			
3.	(b) SEC USE ONLY			⊠(1)
4.	Source of Funds (s	see instruc	ctions)	
	AF			
5.	Check if Disclosur	e of Lega	l Proceedings Is Required Pursuant to Item 2(d) or 2(e)	
6.	Citizenship or Plac	ce of Orga	nization	
	Delaware			
		7.	Sole Voting Power	
	Number of		0	
	Shares	8.	Shared Voting Power	
	Beneficially		205,060 shares of Common Stock (2)	
	Owned by	9.	Sole Dispositive Power	
	Each		0	
	Reporting	10.	Shared Dispositive Power	
	Person With	10.		
11		, D. C.	205,060 shares of Common Stock (2)	
11.			ially Owned by Each Reporting Person	
12.	205,060 shares of		Stock (2) ount in Row (11) Excludes Certain Shares (see instructions)	
12.	Check if the Aggic	gate Ann	ount in Now (11) Excludes Certain Shares (see instructions)	
13.	Percent of Class R	epresente	d by Amount in Row 11	
			7% of Combined Common Stock (3)	
14.	Type of Reporting	Person (s	see instructions)	
	00			
share (3) Base	es held by 5AM Opportuned on 25,064,629 shares	nities. of Comn	tunities. Schwab and Dr. Parmar, as managing members of 5AM Opportunities GP, share voting a non Stock and 3,912,500 shares of Non-Voting Common Stock outstanding as of as of March 31, quarter ended March 31, 2022, filed with the SEC on May 12, 2022.	
CUSIP N	Jo. 12674W109		13D	Page 6 of 11
1.	Name of Reporting	g Persons		
	Dr. Kush Parmar			
2.		riate Box	if a Member of a Group (see instructions)	
	(a) (b)			□ ⊠(1)
3.	SEC USE ONLY			
4.	Source of Funds (s	see instruc	ctions)	
	AF			
5.	Check if Disclosur	e of Lega	l Proceedings Is Required Pursuant to Item 2(d) or 2(e)	
6.	Citizenship or Plac	ce of Orga	nization	
	United States			
		7.	Sole Voting Power	
			0	
	Number of	8.	Shared Voting Power	
	Shares		1,030,318 shares of Common Stock (2)	
	Beneficially		1,000,010 shares of Common Stock (2)	

Owned by

	Each	9.	Sole Dispositive Power	
Reporting			0	
	Person With	10.	Shared Dispositive Power	
		10.		
11		.D. C.	1,030,318 shares of Common Stock (2)	
11.	Aggregate Amo	ount Benefici	Illy Owned by Each Reporting Person	
12.	1,030,318 share			
12.	Check II the Ag	ggregate Amo	unt in Row (11) Excludes Certain Shares (see instructions)	
13.	Percent of Class	s Represente	by Amount in Row 11	
	4.1% of Comm	on Stock; 3.6	% of Combined Common Stock (3)	
14.	Type of Report	ing Person (s	e instructions)	
	IN			
2) Inclu Partn and in 3) Based	des (i) 825,258 share ders V, share voting ar nvestment authority of d on 25,064,629 share	es held by 5.4 and investment over the share res of Comm	ting Persons. The Reporting Persons expressly disclaim status as a "group" for pur M V; and (ii) 205,060 shares held by 5AM Opportunities. Dr. Rocklage, Schwa authority over the shares held by 5AM V. Schwab and Dr. Parmar, as managing held by 5AM Opportunities.  on Stock and 3,912,500 shares of Non-Voting Common Stock outstanding as of quarter ended March 31, 2022, filed with the SEC on May 12, 2022.	b and Dr. Parmar, as managing members of 5AM members of 5AM Opportunities GP, share voting
CUSIP N	o. 12674W109		13D	Page 7 of 11
1.	Name of Repor	ting Persons		
	Andrew J. Schv			
2.		ropriate Box	f a Member of a Group (see instructions)	
	(a) (b)			⊠(1)
3.	SEC USE ONL	Υ		· · · · · · · · · · · · · · · · · · ·
4.	Source of Fund	s (see instruc	ions)	
	AF	(		
5.		sure of Lega	Proceedings Is Required Pursuant to Item 2(d) or 2(e)	
	G.: 1: T	N 60		
6.	Citizenship or F	Place of Orga	nization	
	United States			
		7.	Sole Voting Power	
	Number of		0	
	Shares	8.	Shared Voting Power	
	Beneficially Owned by		1,030,318 shares of Common Stock (2)	
	Each	9.	Sole Dispositive Power	
	Reporting		0	
	Person With	10.	Shared Dispositive Power	
	r ersen with		1,030,318 shares of Common Stock (2)	
11.	Aggregate Amo	unt Renefici	lly Owned by Each Reporting Person	
12.	1,030,318 share		a Stock (2) unt in Row (11) Excludes Certain Shares (see instructions)	
13.	Percent of Class	s Represente	by Amount in Row 11	
1.4			% of Combined Common Stock (3)	
14.	Type of Report	ing Person (s	e instructions)	
	TAT			

(2)	Partners V, share voting and	investmer	AM V; and (ii) 205,060 shares held by 5AM Opportunities. Schwab, Dr. Rocklage and Dr. Parmar, at authority over the shares held by 5AM V. Schwab and Dr. Parmar, as managing members of 5AM 0 s held by 5AM Opportunities.	
(3)			on Stock and 3,912,500 shares of Non-Voting Common Stock outstanding as of as of March 31, 20 quarter ended March 31, 2022, filed with the SEC on May 12, 2022.	022 as set forth in the Issuer's
CU	SIP No. 12674W109		13D	Page 8 of 11
1.	Name of Reportin	g Persons		
	Dr. Scott M. Rock	lage		
2.		riate Box	if a Member of a Group (see instructions)	
	(a) (b)			□ ⊠(1)
3.	SEC USE ONLY			
4.	Source of Funds (	see instruc	tions)	
	AF			
5.	Check if Disclosus	re of Lega	l Proceedings Is Required Pursuant to Item 2(d) or 2(e)	
6.	Citizenship or Pla	ce of Orga	nization	
	United States			
		7.	Sole Voting Power	
	Number of		0	
	Shares	8.	Shared Voting Power	
	Beneficially		825,258 shares of Common Stock (2)	
	Owned by	9.	Sole Dispositive Power	
	Each		0	
	Reporting	10		
	Person With	10.	Shared Dispositive Power	
			825,258 shares of Common Stock (2)	
11	. Aggregate Amour	t Benefici	ally Owned by Each Reporting Person	
	825,258 shares of			
12	. Check if the Aggr	egate Am	ount in Row (11) Excludes Certain Shares (see instructions)	
13	. Percent of Class R	epresente	d by Amount in Row 11	
			% of Combined Common Stock (3)	
14	. Type of Reporting	Person (s	ee instructions)	
	IN			
(2)	The shares held by 5AM V. I 5AM V. Based on 25,064,629 shares	or. Parmar	rting Persons. The Reporting Persons expressly disclaim status as a "group" for purposes of this Schedu. Schwab and Dr. Rocklage, as managing members of 5AM Partners V, share voting and investment at the Stock and 3,912,500 shares of Non-Voting Common Stock outstanding as of as of March 31, 20 quarter ended March 31, 2022, filed with the SEC on May 12, 2022.	uthority over the shares held by

CUSIP No. 12674W109 13D Page 9 of 11

Explanatory Note: This Amendment No. 5 (the "Amendment"), which further amends the Schedule 13D filed with the Securities and Exchange Commission (the "SEC") on November 12, 2019 and amended on December 14, 2020, January 12, 2021, September 9, 2021 and November 3, 2021 (as amended, the "Original Schedule 13D") is being filed on behalf of 5AM Partners V, LLC ("5AM Partners V"), 5AM Ventures V, L.P. ("5AM V"), 5AM Opportunities I, L.P. ("5AM Opportunities"), 5AM Opportunities I (GP), LLC ("5AM Opportunities GP"), Andrew J. Schwab ("Schwab"), Dr. Kush Parmar ("Dr. Parmar") and Dr. Scott M. Rocklage ("Dr. Rocklage" and, with 5AM Partners V, 5AM V, 5AM Opportunities, 5AM Opportunities GP, Schwab, Dr. Parmar and Dr. Rocklage, collectively, the "Reporting Persons") in respect of the Voting Common Stock, \$0.001 par value per share ("Common Stock"), of Cabaletta Bio, Inc., a Delaware corporation (the "Issuer"). This Amendment is being filed by the Reporting Persons to report open market sales of Common Stock between July 22, 2022 and August 2, 2022. Accordingly, the number of securities beneficially owned by the Reporting Persons has decreased as described in Items 4 and 5 below.

Items 4 and 5 of the Original Schedule 13D are hereby amended and supplemented to the extent hereinafter expressly set forth and, except as amended and supplemented hereby, the Original Schedule 13D remains in full force and effect. All capitalized terms used in this Amendment but not defined herein shall have the meanings ascribed thereto in the Original Schedule 13D.

#### Item 4. Purpose of Transaction

Item 4 of the Original Schedule 13D is hereby amended and supplemented by adding the following paragraph at the end of Item 4:

On July 20, 2022, 5AM Ventures V, L.P. sold 38,725 shares of Common Stock and 5AM Opportunities I, L.P. sold 5,475 shares of Common Stock, each in open market transactions for \$1.52 per share.

On July 21, 2022, 5AM Ventures V, L.P. sold 83,010 shares of Common Stock and 5AM Opportunities I, L.P. sold 11,737 shares of Common Stock, each in open market transactions for \$1.51 per share.

On July 22, 2022, 5AM Ventures V, L.P. sold 57,605 shares of Common Stock and 5AM Opportunities I, L.P. sold 8,145 shares of Common Stock, each in open market transactions for \$1.39 per share.

On July 25, 2022, 5AM Ventures V, L.P. sold 39,690 shares of Common Stock and 5AM Opportunities I, L.P. sold 5,613 shares of Common Stock, each in open market transactions for \$1.34 per share.

On July 27, 2022, 5AM Ventures V, L.P. sold 61,328 shares of Common Stock and 5AM Opportunities I, L.P. sold 8,672 shares of Common Stock, each in open market transactions for \$1.26 per share.

On July 28, 2022, 5AM Ventures V, L.P. sold 144,673 shares of Common Stock and 5AM Opportunities I, L.P. sold 20,456 shares of Common Stock, each in open market transactions for \$1.21 per share.

On July 29, 2022, 5AM Ventures V, L.P. sold 30,552 shares of Common Stock and 5AM Opportunities I, L.P. sold 4,319 shares of Common Stock, each in open market transactions for \$1.12 per share.

On August 1, 2022, 5AM Ventures V, L.P. sold 70,090 shares of Common Stock and 5AM Opportunities I, L.P. sold 9,910 shares of Common Stock, each in open market transactions for \$1.17 per share.

On August 2, 2022, 5AM Ventures V, L.P. sold 380,188 shares of Common Stock and 5AM Opportunities I, L.P. sold 53,757 shares of Common Stock, each in open market transactions for \$1.22 per share.

CUSIP No. 12674W109 13D Page 10 of 11

#### Item 5. Interest in Securities of the Issuer

Item 5 of the Original Schedule 13D is hereby amended and restated in its entirety 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 August 3, 2022:

Reporting Persons	Shares Held Directly	Sole Voting Power	Shared Voting Power(1)	Sole Dispositive Power	Shared Dispositive Power (1)	Beneficial Ownership	Percentage of Class (3)	of Combined Common Stock (4)
5AM V	825,258	0	825,258	0	825,258	825,258	3.3%	2.8%
5AM Partners V (1)	0	0	825,258	0	825,258	825,258	3.3%	2.8%
5AM Opportunities	205,060	0	205,060	0	205,060	205,060	0.8%	0.7%
5AM Opportunities GP (2)	0	0	205,060	0	205,060	205,060	0.8%	0.7%
Dr. Parmar (1)(2)	0	0	1,030,318	0	1,030,318	1,030,318	4.1%	3.6%
Schwab (1) (2)	0	0	1,030,318	0	1,030,318	1,030,318	4.1%	3.6%
Dr. Rocklage (1)	0	0	825,258	0	825,258	825,258	3.3%	2.8%

- (1) Includes 825,258 shares of Common Stock held by 5AM V. Dr. Parmar, Schwab and Dr. Rocklage, as managing members of 5AM Partners V, share voting and investment authority over the shares held by 5AM V.
- (2) Includes 205,060 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) Based on 25,064,629 shares of voting Common Stock outstanding as of March 31, 2022 as set forth in the Issuer's Quarterly Report on Form 10-Q for the quarter ended March 31, 2022, filed with the SEC on May 12, 2022.
- (4) Based on 25,064,629 shares of voting Common Stock and 3,912,500 shares of non-voting common stock ("Non-Voting Common Stock" and, together with the Common Stock, the "Combined Common Stock") outstanding as of March 31, 2022 as set forth in the Issuer's Quarterly Report on Form 10-Q for the quarter ended March 31, 2022, filed with the SEC on May 12, 2022.
- (c) Except as set forth herein, none of the Reporting Persons has effected any transactions in shares of the Issuer's Common Stock in the last sixty 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) The Reporting Persons ceased to be the beneficial owners of more than five percent of the Common Stock on August 2, 2022.

## 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: August 3, 2022

### 5AM VENTURES V, L.P.

By: 5AM Partners V, LLC, its General Partner

By: /s/ Dr. Scott M. Rocklage

Dr. Scott M. Rocklage Managing Member

### 5AM PARTNERS V, LLC

By: /s/ Dr. Scott M. Rocklage
Dr. Scott M. Rocklage
Managing Member

## 5AM OPPORTUNITIES I, L.P.

By: 5AM Opportunities I (GP), LLC,

its General Partner

By: /s/ Dr. Kush Parmar

Dr. Kush Parmar Managing Member

## 5AM OPPORTUNITIES I (GP), LLC

By: /s/ Dr. Kush Parmar Dr. Kush Parmar

Managing Member

/s/ Dr. Kush Parmar

Dr. Kush Parmar

/s/ Dr. Scott M. Rocklage

Dr. Scott Rocklage

/s/ Andrew J. Schwab

Andrew J. Schwab