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. 4)*

Aprea Therapeutics, Inc.
(Name of Issuer)
Common Stock, par value \$0.001 per share
(Title of Class of Securities)
03836J102
(CUSIP Number)
Rebecca Lucia 5AM Venture Management, LLC
501 2 nd Street, Suite 350
San Francisco, CA 94107
(415) 993-8565
(Name, Address and Telephone Number of Person
Authorized to Receive Notices and Communications)
November 16, 2020
(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 $\$\$240.13d-1(e)$, $240.13d-1(g)$, check the following box. \Box
* 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.

	5AM Ventures	IV, L.P.					
2.	(a)	opriate Box	x if a Member of a Group (see instructions)	0			
3.	(b) x(1) SEC USE ONLY						
	020 002 0112	-					
4.	Source of Funds	(see instru	actions)				
	WC						
5.	Check if Disclos	sure of Leg	al Proceedings Is Required Pursuant to Item 2(d) or 2(e)	0			
6.	Citizenship or P	lace of Org	ganization				
	Delaware						
		7.	Sole Voting Power				
			0				
	Number of	8.	Shared Voting Power				
	Shares Beneficially		1,189,592 shares of common stock (2)				
	Owned by Each	9.	Sole Dispositive Power				
	Reporting Person With		0				
		10.	Shared Dispositive Power				
			1,189,592 shares of common stock (2)				
11.	Aggregate Amo	unt Benefic	cially Owned by Each Reporting Person				
	1,189,592 share	s of commo	on stock (2)				
12.	Check if the Ag	gregate Am	nount in Row (11) Excludes Certain Shares (see instructions)	0			
13.	Percent of Class 5.6% (3)	Represent	ed by Amount in Row 11				
14.		ng Dorson ((see instructions)				
14.		ng 1 c13011 (see instructions)				
	PN						

Diekman ("Diekman"), Andrew J. Schwab ("Schwab") and Dr. Scott M. Rocklage ("Rocklage" and, with 5AM Partners IV, 5AM IV, 5AM Co-Investors IV, 5AM Opportunities, 5AM Opportunities GP, Diekman and Schwab, collectively, the "Reporting Persons"). The Reporting Persons expressly disclaim status as a "group" for purposes of this Schedule 13D.

⁽²⁾ These shares are held by 5AM IV. Diekman, Schwab and Rocklage, as Managing Members of 5AM Partners IV, share voting and investment authority over the shares held by 5AM IV.

⁽³⁾ Percentage based on 21,186,827 shares of Common Stock outstanding as of November 6, 2020 as disclosed in the Issuer's Form 10-Q filed with the Securities and Exchange Commission on November 6, 2020.

	5AM Co-Invest	ors IV, L.I	Р.			
2.	Check the Appropriate Box if a Member of a Group (see instructions) (a) (b)					
3.	SEC USE ONLY	Y		x(1)		
4.	Source of Funds	(see instru	actions)			
	WC					
5.	Check if Disclos	sure of Leg	al Proceedings Is Required Pursuant to Item 2(d) or 2(e)	0		
6.	Citizenship or P	lace of Org	anization			
	Delaware					
		7.	Sole Voting Power			
			0			
	Number of	8.	Shared Voting Power			
	Shares Beneficially		49,565 shares of common stock (2)			
	Owned by Each	9.	Sole Dispositive Power			
	Reporting Person With		0			
	reison with	10.	Shared Dispositive Power			
			49,565 shares of common stock (2)			
11.	Aggregate Amo	unt Benefic	cially Owned by Each Reporting Person			
	49,565 shares of	common s	stock (2)			
12.	Check if the Ag	gregate Am	nount in Row (11) Excludes Certain Shares (see instructions)	0		
13.	Percent of Class 0.2% (3)	Represente	ed by Amount in Row 11			
14.	Type of Reporting	ng Person (see instructions)			
	PN					
	111					

investment authority over the shares held by 5AM Co-Investors IV.

(3) Percentage based on 21,186,827 shares of Common Stock outstanding as of November 6, 2020 as disclosed in the Issuer's Form 10-Q filed with the Securities and Exchange Commission on November 6, 2020.

	5AM Partners l	IV, LLC	
2.		ropriate Box if a Member of a Group (see instructions)	
	(a) (b)		o x(1)
3.	SEC USE ONLY	Y	
4.	Source of Funds	s (see instructions)	
	AF		
5.	Check if Disclos	sure of Legal Proceedings Is Required Pursuant to Item 2(d) or 2(e)	0
6.	Citizenship or Pl	Place of Organization	
	Delaware		
		7. Sole Voting Power	
		0	
	Number of	8. Shared Voting Power	
	Shares Beneficially	1,239,157 shares of common stock (2)	
	Owned by Each	9. Sole Dispositive Power	
	Reporting Person With	0	
		10. Shared Dispositive Power	
		1,239,157 shares of common stock (2)	
11.	Aggregate Amo	ount Beneficially Owned by Each Reporting Person	
	1,239,157 shares	es of common stock (2)	
12.	Check if the Agg	ggregate Amount in Row (11) Excludes Certain Shares (see instructions)	0
13.	Percent of Class 5.8% (3)	s Represented by Amount in Row 11	
14.	Type of Reportir	ing Person (see instructions)	
	00		
(2) Incl Me	ludes (i) 1,189,592 sha mbers of 5AM Partne	ed by the Reporting Persons. The Reporting Persons expressly disclaim status as a "group" for purposes of nares held by 5AM IV; and (ii) 49,565 shares held by 5AM Co-Investors IV. Diekman, Schwab and Rocklagers IV, share voting and investment authority over the shares held by 5AM IV and 5AM Co-Investors IV. 186,827 shares of Common Stock outstanding as of November 6, 2020 as disclosed in the Issuer's Form 10-	ge, as Managing

Securities and Exchange Commission on November 6, 2020.

5AM Opportunities I, L.P.

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2.	Check the Appro	priate Box	x if a Member of a Group (see instructions)	
	(a) (b)			o x(1)
3.	SEC USE ONLY	<i>I</i>		
4.	Source of Funds	(see instru	ictions)	
	WC			
5.	Check if Disclos	sure of Leg	al Proceedings Is Required Pursuant to Item 2(d) or 2(e)	0
	C'd and day	l f O		
6.	Citizenship or Pl	ace of Org	anization	
	Delaware			
		7.	Sole Voting Power	
			0	
	Number of	8.	Shared Voting Power	
	Shares Beneficially		138,497 shares of common stock (2)	
	Owned by Each	9.	Sole Dispositive Power	
	Reporting Person With		0	
		10.	Shared Dispositive Power	
			138,497 shares of common stock (2)	
11.	Aggregate Amo	unt Benefic	cially Owned by Each Reporting Person	
	138,497 shares o	of common	stock (2)	
12.	Check if the Agg	gregate An	nount in Row (11) Excludes Certain Shares (see instructions)	0
13.	Percent of Class 0.7% (3)	Represent	ed by Amount in Row 11	
14.	Type of Reportir	ng Person ((see instructions)	
	PN			
			eporting Persons. The Reporting Persons expressly disclaim status as a "group" for purposes of thi ortunities. Schwab and Dr. Kush Parmar ("Parmar"), as Managing Members of 5AM Opportunities	
and	investment authority	over the sl	nares held by 5AM Opportunities.	
			ares of Common Stock outstanding as of November 6, 2020 as disclosed in the Issuer's Form 10-Q on on November 6, 2020.	filed with the

	5AM Opportuni	ities I (GP), LLC	
2.	Check the Appro (a) (b)	priate Box	if a Member of a Group (see instructions)	o x(1)
3.	SEC USE ONLY	•		(-)
4.	Source of Funds	(see instru	ctions)	
	AF			
5.	Check if Disclos	ure of Lega	al Proceedings Is Required Pursuant to Item 2(d) or 2(e)	0
6.	Citizenship or Pl	ace of Orga	anization	
	Delaware			
		7.	Sole Voting Power	
			0	
	Number of	8.	Shared Voting Power	
	Shares Beneficially		138,497 shares of common stock (2)	
	Owned by Each	9.	Sole Dispositive Power	
	Reporting Person With		0	
		10.	Shared Dispositive Power	
			138,497 shares of common stock (2)	
11.	Aggregate Amou	ınt Benefic	ially Owned by Each Reporting Person	
	138,497 shares o	f common	stock (2)	
12.	Check if the Agg	regate Am	ount in Row (11) Excludes Certain Shares (see instructions)	0
13.	Percent of Class 0.7% (3)	Represente	ed by Amount in Row 11	
14.	Type of Reportin	g Person (s	see instructions)	
	00			
			eporting Persons. The Reporting Persons expressly disclaim status as a "group" for p M Opportunities. Schwab and Parmar, as Managing Members of 5AM Opportunitie	

investment authority over the shares held by 5AM Opportunities.
(3) Percentage based on 21,186,827 shares of Common Stock outstanding as of November 6, 2020 as disclosed in the Issuer's Form 10-Q filed with the Securities and Exchange Commission on November 6, 2020.

Dr. John D. Diekman

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2.	Check the Appro (a)	priate Box	x if a Member of a Group (see instructions)	0
	(b)			x(1)
3.	SEC USE ONLY	7		
4.	Source of Funds	(see instru	ctions)	
		(000		
	AF			
5.	Check if Disclos	ure of Leg	al Proceedings Is Required Pursuant to Item 2(d) or 2(e)	0
6.	Citizenship or Pl	ace of Org	anization	
	United States			
		7.	Sole Voting Power	
			0	
	Number of	8.	Shared Voting Power	
	Shares Beneficially		1,239,157 shares of common stock (2)	
	Owned by Each	9.	Sole Dispositive Power	
	Reporting Person With		0	
		10.	Shared Dispositive Power	
			1,239,157 shares of common stock (2)	
11.	Aggregate Amou	ınt Benefic	cially Owned by Each Reporting Person	
	1,239,157 shares	of commo	on stock (2)	
12.	Check if the Agg	gregate Am	nount in Row (11) Excludes Certain Shares (see instructions)	0
13.	Percent of Class 5.8% (3)	Represent	ed by Amount in Row 11	
14.	Type of Reportin	ng Person (see instructions)	
	IN			
(2) Incl Mei (3) Pero	ludes (i) 1,189,592 sha mbers of 5AM Partner centage based on 21,1	ares held by rs IV, share 86,827 sha	eporting Persons. The Reporting Persons expressly disclaim status as a "group" for purposes of this S y 5AM IV; and (ii) 49,565 shares held by 5AM Co-Investors IV. Diekman, Schwab and Rocklage, as evoting and investment authority over the shares held by 5AM IV and 5AM Co-Investors IV. res of Common Stock outstanding as of November 6, 2020 as disclosed in the Issuer's Form 10-Q file on on November 6, 2020.	Managing

1.	Name of Reporti	ng Persons	S				
	Andrew J. Schwa	ab					
2.	Check the Appro	priate Box	s if a Member of a Group (see instructions)				
	(a)	О					
	(b)			x(1)			
3.	SEC USE ONLY	7					
4.	Source of Funds	(see instru	actions)				
	AF						
5.	Check if Disclos	ure of Leg	al Proceedings Is Required Pursuant to Item 2(d) or 2(e)	0			
٥.	GREEN IT DISCIOS	are or neg	an Proceedings to recommend a modulite to Rein 2(a) of 2(c)	ğ			
	C'i' a ali' a a Di	(0					
6.	Citizenship or Pl	ace or Org	anization				
	United States						
		7.	Sole Voting Power				
			0				
	Number of	8.	Shared Voting Power				
	Shares						
	Beneficially		1,377,654 shares of common stock (2)				
	Owned by	9.	Sole Dispositive Power				
	Each Reporting		· · · · · · · · · · · · · · · · · · ·				
	Person With		0				
	1 618011 111111	10.	Shared Dispositive Power				
		10.	Shaled Dispositive I ower				
			1,377,654 shares of common stock (2)				
- 11	Δ	. D. C.					
11.	Aggregate Amou	ınt Benefic	cially Owned by Each Reporting Person				
	1,377,654 shares	of commo	on stock (2)				
	, , ,		(-)				
12.	Check if the Age	regate Am	nount in Row (11) Excludes Certain Shares (see instructions)	0			
	00	, 0					
12	Dovent of Class	Danvacante	ed by Amount in Row 11				
13.	6.5% (3)	Represente	ed by Amount in Row 11				
	0.570 (5)						
14.	Type of Reportin	g Person (see instructions)				
		- `	•				
	IN						

(1) This Schedule 13D is filed by the Reporting Persons. The Reporting Persons expressly disclaim status as a "group" for purposes of this Schedule 13D.

⁽²⁾ Includes (i) 1,189,592 shares held by 5AM IV; (ii) 49,565 shares held by 5AM Co-Investors IV; and (iii) 138,497 shares held by 5AM Opportunities. Diekman, Schwab and Rocklage, as Managing Members of 5AM Partners IV, share voting and investment authority over the shares held by 5AM IV and 5AM Co-Investors IV. Schwab and Parmar, as Managing Members of 5AM Opportunities GP, share voting and investment authority over the shares held by 5AM Opportunities.

⁽³⁾ Percentage based on 21,186,827 shares of Common Stock outstanding as of November 6, 2020 as disclosed in the Issuer's Form 10-Q filed with the Securities and Exchange Commission on November 6, 2020.

1.

	Dr. Scott M. Roc	klage					
2.		priate Box	if a Member of a Group (see instructions)				
	(a) (b)						
3.	SEC USE ONLY	7		Λ(1)			
4.	Source of Funds	(see instru	ctions)				
	AF						
5.		ure of Leg	al Proceedings Is Required Pursuant to Item 2(d) or 2(e)	0			
6.	Citizenship or Pl	ace of Org	anization				
	United States						
		7.	Sole Voting Power				
			0				
	Number of	8.	Shared Voting Power				
	Shares Beneficially		1,239,157 shares of common stock (2)				
	Owned by Each	9.	Sole Dispositive Power				
	Reporting Person With		0				
	Person With	10.	Shared Dispositive Power				
			1,239,157 shares of common stock (2)				
11.	Aggregate Amou	ınt Benefic	ially Owned by Each Reporting Person				
11.							
	1,239,157 shares	or comme	in stock (2)				
12.	Check if the Agg	regate Am	ount in Row (11) Excludes Certain Shares (see instructions)	0			
13.		Represent	ed by Amount in Row 11				
	5.8% (3)						
14.	Type of Reportin	g Person (see instructions)				
	IN						
			eporting Persons. The Reporting Persons expressly disclaim status as a "group" for purposes of this				
Mei	mbers of 5AM Partner	s IV, share	y 5AM IV; and (ii) 49,565 shares held by 5AM Co-Investors IV. Diekman, Schwab and Rocklage, a voting and investment authority over the shares held by 5AM IV and 5AM Co-Investors IV.				
			res of Common Stock outstanding as of November 6, 2020 as disclosed in the Issuer's Form 10-Q fi on on November 6, 2020.	led with the			

CUSIP No. 03836J102

Explanatory Note: This Amendment No. 4 (the "Amendment"), which amends the Schedule 13D filed with the Securities and Exchange Commission (the "SEC") on October 17, 2019, as amended by Amendment No. 1 filed May 22, 2020, as amended by Amendment No. 2 filed June 11, 2020 and as amended by Amendment No. 3 filed October 7, 2020 (the "Original Schedule 13D") is being filed on behalf of 5AM Partners IV, LLC ("5AM Partners IV"), 5AM Ventures IV, L.P. ("5AM Co-Investors IV, L.P. ("5AM Co-Investors IV"), 5AM Opportunities I, L.P. ("5AM Opportunities"), 5AM Opportunities I (GP), LLC ("5AM Opportunities GP"), Dr. John D. Diekman ("Diekman"), Andrew J. Schwab ("Schwab") and Dr. Scott M. Rocklage ("Rocklage" and, with 5AM Partners IV, 5AM IV, Co-Investors IV, 5AM Opportunities, 5AM Opportunities GP, Diekman and Schwab, collectively, the "Reporting Persons") in respect of the Common Stock, \$0.001 par value per share of Aprea Therapeutics, Inc., a Delaware corporation (the "Issuer"). This Amendment is being filed by the Reporting Persons to report open market sales of Common Stock on November 16, 2020 and November 18, 2020. Accordingly, the number of securities beneficially owned by the Reporting Persons has decreased as described in Items 4 and 5 below.

Item 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 paragraphs at the end of Item 4:

On November 16, 2020, 5AM IV sold an aggregate of 288,000 shares of Common Stock in an open market transaction at a price of \$20.10 per share and 5AM Co-Investors IV sold an aggregate of 12,000 shares of Common Stock in an open market transaction at a price of \$20.10 per share.

On November 18, 2020, 5AM IV sold an aggregate of 345,600 shares of Common Stock in an open market transaction at a price of \$19.92 per share and 5AM Co-Investors IV sold an aggregate of 14,400 shares of Common Stock in an open market transaction at a price of \$19.92 per share.

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 November 18, 2020:

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)
5AM IV	1,189,592	0	1,189,592	0	1,189,592	1,189,592	5.6%
5AM Co-Investors IV	49,565	0	49,565	1	49,565	49,565	0.2%
5AM Partners IV (1)	0	0	1,239,157	0	1,239,157	1,239,157	5.8%
5AM Opportunities	138,497	0	138,497	0	138,497	138,497	0.7%
5AM Opportunities GP (2)	0	0	138,497	0	138,497	138,497	0.7%
Diekman (1)	0	0	1,239,157	0	1,239,157	1,239,157	5.8%
Schwab (1) (2)	0	0	1,377,654	0	1,377,654	1,377,654	6.5%
Rocklage (1)	0	0	1,239,157	0	1,239,157	1,239,157	5.8%

⁽¹⁾ Includes 1,189,592 shares of Common Stock held by 5AM IV and 49,565 shares of Common Stock held by 5AM Co-Investors IV. Diekman, Schwab and Rocklage, as Managing Members of 5AM Partners IV, share voting and investment authority over the shares held by 5AM IV and 5AM Co-Investors IV.

⁽²⁾ Includes 138,497 shares of Common Stock held by 5AM Opportunities. Schwab and Parmar, as Managing Members of 5AM Opportunities GP, share voting and investment authority over the shares held by 5AM Opportunities.

⁽³⁾ Percentage based on 21,186,827 shares of Common Stock outstanding as of November 6, 2020 as disclosed in the Issuer's Form 10-Q filed with the Securities and Exchange Commission on November 6, 2020.

⁽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.

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: November 19, 2020

5AM Ventures IV, L.P.

By: 5AM Partners IV, LLC,

Its General Partner

By: /s/ Andrew J. Schwab

Andrew J. Schwab Managing Member

5AM Co-Investors IV, L.P.

By: 5AM Partners IV, LLC,

Its General Partner

By: /s/ Andrew J. Schwab

Andrew J. Schwab Managing Member

5AM Partners IV, LLC

By: /s/ Andrew J. Schwab

Andrew J. Schwab Managing Member

5AM Opportunities I, L.P.

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

Its General Partner

By: /s/ Andrew J. Schwab

Andrew J. Schwab Managing Member

5AM Opportunities I (GP), LLC

By: /s/ Andrew J. Schwab

Andrew J. Schwab Managing Member

DR. JOHN D. DIEKMAN

By: /s/ Dr. John D. Diekman

Dr. John D. Diekman

CUSIP No. 03836J102

13D

ANDREW J. SCHWAB

By: /s/ Andrew J. Schwab

Andrew J. Schwab

DR. SCOTT M. ROCKLAGE

By: /s/ Dr. Scott M. Rocklage

Dr. Scott M. Rocklage