# UNITED STATES SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, D.C. 20549

# **SCHEDULE 13G**

UNDER THE SECURITIES EXCHANGE ACT OF 1934 (Amendment No. )\*



(Name of Issuer)

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

> 002120202 (CUSIP Number)

September 16, 2021 (Date of Event Which Requires Filing of This Statement)

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

- □ Rule 13d-1(b)
- ⊠ 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 the disclosures provided in a prior cover page.

The information required in 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).

1.	1. Name of reporting persons		ing persons			
	Venrocl	/enrock Healthcare Capital Partners II, L.P.				
2.		Check the Appropriate Box if a Member of a Group (See Instructions)				
	(a) ⊠ <sup>1</sup>					
	SEC US					
4.	Citizens	ship or I	Place of Organization			
	Delawa	re				
		5.	Sole Voting Power			
NT 1			0			
-	ber of ares	6.	Shared Voting Power			
	icially					
	ed by		1,815,000 <sup>2</sup>			
-	ich	7.	Sole Dispositive Power			
	orting rson		0			
W	ith:	8.	Shared Dispositive Power			
			1,815,000 <sup>2</sup>			
9.	Aggreg	ate Amo	ount Beneficially Owned by Each Reporting Person			
	1,815,0	00 <sup>2</sup>				
10.			ggregate Amount in Row (9) Excludes Certain Shares (See Instructions)			
		ercent of Class Represented by Amount in Row (9)				
	6.7% <sup>3</sup>					
12. Type of Reporting Person (See Instructions		Report	ing Person (See Instructions)			
	PN					

- 1 Venrock Healthcare Capital Partners II, L.P., VHCP Co-Investment Holdings II, LLC, Venrock Healthcare Capital Partners III, L.P., VHCP Co-Investment Holdings III, LLC, Venrock Healthcare Capital Partners EG, L.P., VHCP Management II, LLC, VHCP Management III, LLC, VHCP Management EG, LLC, Nimish Shah and Bong Koh are members of a group for the purposes of this Schedule 13G.
- 2 Consists of (i) 318,101 shares held by Venrock Healthcare Capital Partners II, L.P., (ii) 128,969 shares held by VHCP Co-Investment Holdings II, LLC, (iii) 545,106 shares held by Venrock Healthcare Capital Partners III, L.P., (iv) 54,540 shares held by VHCP Co-Investment Holdings III, LLC and (v) 768,284 shares held by Venrock Healthcare Capital Partners EG, L.P.
- 3 This percentage is calculated based upon 27,088,620 shares of the Issuer's Common Stock outstanding after the closing of the Issuer's public offering, as reported in the Issuer's prospectus supplement dated September 15, 2021 and filed with the Securities and Exchange Commission on September 16, 2021.

1.	Name of reporting persons					
	VHCP Co-Investment Holdings II, LLC					
	(a) ⊠ <sup>1</sup>					
	SEC US					
4.	Citizen	ship or	Place of Organization			
	Delawa	re				
		5.	Sole Voting Power			
Num	ber of		0			
Sh	ares	6.	Shared Voting Power			
	icially ed by		1,815,000 <sup>2</sup>			
	ich	7.	Sole Dispositive Power			
	orting		1			
-	rson ith:		0			
vv		8.	Shared Dispositive Power			
			1,815,000 <sup>2</sup>			
9.	Aggre	egate A	mount Beneficially Owned by Each Reporting Person			
	1,815	,000 <sup>2</sup>				
10.	. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) $\Box$		Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) $\Box$			
11. Percent of Class Represented by Amount in Row (9)		nt of Cl	ass Represented by Amount in Row (9)			
6.7% <sup>3</sup>						
12.			orting Person (See Instructions)			
	00					
L	00	00				

1 Venrock Healthcare Capital Partners II, L.P., VHCP Co-Investment Holdings II, LLC, Venrock Healthcare Capital Partners III, L.P., VHCP Co-Investment Holdings III, LLC, Venrock Healthcare Capital Partners EG, L.P., VHCP Management II, LLC, VHCP Management III, LLC, VHCP Management EG, LLC, Nimish Shah and Bong Koh are members of a group for the purposes of this Schedule 13G.

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1.	Name of reporting persons			
	Venrock Healthcare Capital Partners III, L.P.			
2.			ropriate Box if a Member of a Group (See Instructions)	
	(a) ⊠ <sup>1</sup>			
3.	SEC US			
4.	Citizen	ship or l	Place of Organization	
	Delawa	re		
		5.	Sole Voting Power	
Nun	iber of		0	
Sh	ares	6.	Shared Voting Power	
	ficially			
	1ed by ach	7.	1,815,000 <sup>2</sup>	
	orting	7.	Sole Dispositive Power	
Pe	rson		0	
W	7ith:	8.	Shared Dispositive Power	
			1,815,000 <sup>2</sup>	
9.	Aggregat	e Amou	Int Beneficially Owned by Each Reporting Person	
	1,815,00	0 <sup>2</sup>		
10.	. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) $\square$			
11.	Percent of Class Represented by Amount in Row (9)			
	6.7% <sup>3</sup>			
12.	Гуре of I	Reportin	ng Person (See Instructions)	
]	PN			

- 1 Venrock Healthcare Capital Partners II, L.P., VHCP Co-Investment Holdings II, LLC, Venrock Healthcare Capital Partners III, L.P., VHCP Co-Investment Holdings III, LLC, Venrock Healthcare Capital Partners EG, L.P., VHCP Management II, LLC, VHCP Management III, LLC, VHCP Management EG, LLC, Nimish Shah and Bong Koh are members of a group for the purposes of this Schedule 13G.
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- 3 This percentage is calculated based upon 27,088,620 shares of the Issuer's Common Stock outstanding after the closing of the Issuer's public offering, as reported in the Issuer's prospectus supplement dated September 15, 2021 and filed with the Securities and Exchange Commission on September 16, 2021.

1.		Name of reporting persons				
	VHCP Co-Investment Holdings III, LLC					
2.			ropriate Box if a Member of a Group (See Instructions)			
	(a) ⊠ <sup>1</sup>					
	SEC US					
4.	Citizens	ship or l	Place of Organization			
	Delawa	re				
		5.	Sole Voting Power			
			0			
-	ber of	6.	Shared Voting Power			
	ares	0.				
	icially ed by		1,815,000 <sup>2</sup>			
	ch	7.	Sole Dispositive Power			
	orting					
-	son ith:		0			
vv	un:	8.	Shared Dispositive Power			
			1,815,000 <sup>2</sup>			
9.	Aggreg	ate Amo	ount Beneficially Owned by Each Reporting Person			
	1,815,0	00 <sup>2</sup>				
10.			ggregate Amount in Row (9) Excludes Certain Shares (See Instructions) 🗆			
11. Percent of Class Represented by Amount in Row (9)						
	6.7% <sup>3</sup>					
12.	Type of	Report	ing Person (See Instructions)			
	00					
	00					

- 1 Venrock Healthcare Capital Partners II, L.P., VHCP Co-Investment Holdings II, LLC, Venrock Healthcare Capital Partners III, L.P., VHCP Co-Investment Holdings III, LLC, Venrock Healthcare Capital Partners EG, L.P., VHCP Management II, LLC, VHCP Management III, LLC, VHCP Management EG, LLC, Nimish Shah and Bong Koh are members of a group for the purposes of this Schedule 13G.
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1.	Name o	f report	ing persons		
	Venrocl	Venrock Healthcare Capital Partners EG, L.P.			
			ropriate Box if a Member of a Group (See Instructions)		
	(a) ⊠ <sup>1</sup>				
		SE ONL			
4.	Citizens	ship or I	Place of Organization		
	Delawa	re			
		5.	Sole Voting Power		
Num	ber of		0		
Sha	ares	6.	Shared Voting Power		
	icially ed by		1,815,000 <sup>2</sup>		
Ea		7.	Sole Dispositive Power		
	orting	/.	Sole Dispositive Fower		
Per	son		0		
W	th:	8.	Shared Dispositive Power		
			1,815,000 <sup>2</sup>		
9.	Aggreg	ate Amo	ount Beneficially Owned by Each Reporting Person		
	1,815,0	00 <sup>2</sup>			
10.	. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) $\Box$		ggregate Amount in Row (9) Excludes Certain Shares (See Instructions) $\Box$		
11.	Percent	Percent of Class Represented by Amount in Row (9)			
	6.7% <sup>3</sup>				
		Doport	ing Person (See Instructions)		
14,	Type of	report			
	PN				

- 1 Venrock Healthcare Capital Partners II, L.P., VHCP Co-Investment Holdings II, LLC, Venrock Healthcare Capital Partners III, L.P., VHCP Co-Investment Holdings III, LLC, Venrock Healthcare Capital Partners EG, L.P., VHCP Management II, LLC, VHCP Management III, LLC, VHCP Management EG, LLC, Nimish Shah and Bong Koh are members of a group for the purposes of this Schedule 13G.
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- 3 This percentage is calculated based upon 27,088,620 shares of the Issuer's Common Stock outstanding after the closing of the Issuer's public offering, as reported in the Issuer's prospectus supplement dated September 15, 2021 and filed with the Securities and Exchange Commission on September 16, 2021.

1.	1. Name of reporting persons		ting persons		
	VHCP Management II, LLC				
			ropriate Box if a Member of a Group (See Instructions)		
	(a) ⊠ <sup>1</sup>				
	SEC U				
4.	Citizen	ship or	Place of Organization		
	Delawa	ire			
		5.	Sole Voting Power		
Num	ber of		0		
Sha	ares	6.	Shared Voting Power		
	ficially				
	ed by		1,815,000 <sup>2</sup>		
	ach orting	7.	Sole Dispositive Power		
Per	son		0		
W	ith:	8.	Shared Dispositive Power		
			1,815,000 <sup>2</sup>		
9.	Aggreg	ate Am	ount Beneficially Owned by Each Reporting Person		
	1,815,0	00 <sup>2</sup>			
10.	10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)		ggregate Amount in Row (9) Excludes Certain Shares (See Instructions) $\Box$		
11.	Percent	of Clas	ss Represented by Amount in Row (9)		
	2				
	6.7% <sup>3</sup>				
12. Type of Reporting Pers			ting Person (See Instructions)		
	00				
	~~				

- 1 Venrock Healthcare Capital Partners II, L.P., VHCP Co-Investment Holdings II, LLC, Venrock Healthcare Capital Partners III, L.P., VHCP Co-Investment Holdings III, LLC, Venrock Healthcare Capital Partners EG, L.P., VHCP Management II, LLC, VHCP Management III, LLC, VHCP Management EG, LLC, Nimish Shah and Bong Koh are members of a group for the purposes of this Schedule 13G.
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1.	1. Name of reporting persons		ting persons		
	VHCP Management III, LLC				
			propriate Box if a Member of a Group (See Instructions)		
	(a) ⊠ <sup>1</sup>				
	SEC U				
4.	Citizen	ship or	Place of Organization		
	Delawa	ire			
		5.	Sole Voting Power		
Num	ber of		0		
Sha	ares	6.	Shared Voting Power		
	icially ed by		1,815,000 <sup>2</sup>		
Ea	ach	7.	Sole Dispositive Power		
	orting rson				
_	ith:				
		8.	Shared Dispositive Power		
			1,815,000 <sup>2</sup>		
9.	Aggreg	Aggregate Amount Beneficially Owned by Each Reporting Person			
	1,815,0	00 <sup>2</sup>			
10.	10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)		ggregate Amount in Row (9) Excludes Certain Shares (See Instructions) $\Box$		
11.	Percent	of Clas	ss Represented by Amount in Row (9)		
	6.7% <sup>3</sup>				
12.	Type of	Repor	ting Person (See Instructions)		
	00				

- 1 Venrock Healthcare Capital Partners II, L.P., VHCP Co-Investment Holdings II, LLC, Venrock Healthcare Capital Partners III, L.P., VHCP Co-Investment Holdings III, LLC, Venrock Healthcare Capital Partners EG, L.P., VHCP Management II, LLC, VHCP Management III, LLC, VHCP Management EG, LLC, Nimish Shah and Bong Koh are members of a group for the purposes of this Schedule 13G.
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1.	. Name of reporting persons					
	VHCP Management EG, LLC					
2.			ropriate Box if a Member of a Group (See Instructions)			
	(a) ⊠ <sup>1</sup>					
	SEC US					
4.	Citizen	ship or l	Place of Organization			
	Delawa	re				
		5.	Sole Voting Power			
Num	ber of		0			
	ares	6.	Shared Voting Power			
	icially					
	ed by Ich	-	1,815,000 <sup>2</sup>			
-	orting	7.	Sole Dispositive Power			
Per	son		0			
W	ith:	8.	Shared Dispositive Power			
			1,815,000 <sup>2</sup>			
9.	Aggre	egate Ai	mount Beneficially Owned by Each Reporting Person			
	1,815	,000 <sup>2</sup>				
10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)						
11.	Perce	nt of Cl	ass Represented by Amount in Row (9)			
		6.7% <sup>3</sup>				
12. Type of Reporting Person (See Instructions)			orting Person (See Instructions)			
	00					

- 1 Venrock Healthcare Capital Partners II, L.P., VHCP Co-Investment Holdings II, LLC, Venrock Healthcare Capital Partners III, L.P., VHCP Co-Investment Holdings III, LLC, Venrock Healthcare Capital Partners EG, L.P., VHCP Management II, LLC, VHCP Management III, LLC, VHCP Management EG, LLC, Nimish Shah and Bong Koh are members of a group for the purposes of this Schedule 13G.
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1.	Name o	f Repoi	ting Persons
	Shah, N	limish	
			ropriate Box if a Member of a Group (See Instructions)
	(a) ⊠ <sup>1</sup>		<b>*</b> *
	SEC US		
4.	Citizens	ship or l	Place of Organization
	United	States	
		5.	Sole Voting Power
Num	ber of		0
Sha	ares	6.	Shared Voting Power
	icially ed by		1,815,000 <sup>2</sup>
	ich	7.	Sole Dispositive Power
Per	orting rson		0
W	ith:	8.	Shared Dispositive Power
			1,815,000 <sup>2</sup>
9.	Aggreg	ate Am	ount Beneficially Owned by Each Reporting Person
	1,815,0	00 <sup>2</sup>	
10.	Check i	f the Ag	ggregate Amount in Row (9) Excludes Certain Shares (See Instructions) $\Box$
11. Percent of Class Represented by Amount in Row (9)		s Represented by Amount in Row (9)	
	6.7% <sup>3</sup>		
12.	Type of	Report	ing Person (See Instructions)
	IN		

- 1 Venrock Healthcare Capital Partners II, L.P., VHCP Co-Investment Holdings II, LLC, Venrock Healthcare Capital Partners III, L.P., VHCP Co-Investment Holdings III, LLC, Venrock Healthcare Capital Partners EG, L.P., VHCP Management II, LLC, VHCP Management III, LLC, VHCP Management EG, LLC, Nimish Shah and Bong Koh are members of a group for the purposes of this Schedule 13G.
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- 3 This percentage is calculated based upon 27,088,620 shares of the Issuer's Common Stock outstanding after the closing of the Issuer's public offering, as reported in the Issuer's prospectus supplement dated September 15, 2021 and filed with the Securities and Exchange Commission on September 16, 2021.

1.	. Name of Reporting Persons		ting Persons			
	Koh, Bo	Koh, Bong				
2.	Check the Appropriate Box if a Member of a Group (See Instructions)					
	(a) ⊠ <sup>1</sup> (					
	SEC US					
4.	Citizens	ship or l	Place of Organization			
	United	States				
		5.	Sole Voting Power			
Num	ber of		0			
-	ares	6.	Shared Voting Power			
	icially		1,815,000 <sup>2</sup>			
	ed by Ich	7.				
	orting	/.	Sole Dispositive Power			
Per	son		0			
W	th:	8.	Shared Dispositive Power			
			1,815,000 <sup>2</sup>			
9.	Aggreg	ate Amo	ount Beneficially Owned by Each Reporting Person			
	1,815,0	00 <sup>2</sup>				
10.	10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) 🗆		$_{ m ggregate}$ Amount in Row (9) Excludes Certain Shares (See Instructions) $\Box$			
11. Percent of Class Represented by Amount in Row (9)		s Represented by Amount in Row (9)				
	3					
	6.7% <sup>3</sup>					
12.	Type of	Report	ing Person (See Instructions)			
	IN					

- 1 Venrock Healthcare Capital Partners II, L.P., VHCP Co-Investment Holdings II, LLC, Venrock Healthcare Capital Partners III, L.P., VHCP Co-Investment Holdings III, LLC, Venrock Healthcare Capital Partners EG, L.P., VHCP Management II, LLC, VHCP Management III, LLC, VHCP Management EG, LLC, Nimish Shah and Bong Koh are members of a group for the purposes of this Schedule 13G.
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- 3 This percentage is calculated based upon 27,088,620 shares of the Issuer's Common Stock outstanding after the closing of the Issuer's public offering, as reported in the Issuer's prospectus supplement dated September 15, 2021 and filed with the Securities and Exchange Commission on September 16, 2021.

Introductory Note: This Schedule 13G is filed on behalf of Venrock Healthcare Capital Partners II, L.P., a limited partnership organized under the laws of the State of Delaware ("VHCP II LP"), VHCP Co-Investment Holdings II, LLC, a limited liability company organized under the laws of the State of Delaware ("VHCP Co-Investment II"), Venrock Healthcare Capital Partners III, L.P., a limited partnership organized under the laws of the State of Delaware ("VHCP III LP"), VHCP Co-Investment Holdings III, LLC, a limited liability company organized under the laws of the State of Delaware ("VHCP Co-Investment III"), Venrock Healthcare Capital Partners EG, L.P., a limited partnership organized under the laws of the State of Delaware ("VHCP EG"), VHCP Management II, LLC, a limited liability company organized under the laws of the State of Delaware ("VHCP EG"), VHCP Management II, LLC, a limited liability company organized under the laws of the State of Delaware ("VHCP Management III, LLC, a limited liability company organized under the laws of the State of Delaware ("VHCP Management III, LLC, a limited liability company organized under the laws of the State of Delaware ("VHCP Management III, LLC, a limited liability company organized under the laws of the State of Delaware ("VHCP Management III"), VHCP Management EG, LLC, a limited liability company organized under the laws of the State of Delaware ("VHCP Management EG"), VHCP III LP, VHCP Co-Investment III, VHCP EG, VHCP Management II and VHCP Management III, the "Venrock Entities"), Nimish Shah ("Shah") and Bong Koh ("Koh") in respect of Common Stock of aTyr Pharma, Inc.

## Item 1.

(a) Name of Issuer

aTyr Pharma, Inc.

(b) Address of Issuer's Principal Executive Offices

3545 John Hopkins Court, Suite #250 San Diego, CA 92121

#### Item 2.

(a) Name of Person Filing

Venrock Healthcare Capital Partners II, L.P. VHCP Co-Investment Holdings II, LLC Venrock Healthcare Capital Partners III, L.P. VHCP Co-Investment Holdings III, LLC Venrock Healthcare Capital Partners EG, L.P. VHCP Management II, LLC VHCP Management III, LLC VHCP Management EG, LLC Nimish Shah Bong Koh

(b) Address of Principal Business Office or, if none, Residence

New York Office:

7 Bryant Park 23rd Floor New York, NY 10018 Palo Alto Office:

3340 Hillview Avenue Palo Alto, CA 94304

(c) Citizenship

All of the Venrock Entities were organized in Delaware. The individuals are both United States citizens.

(d) Title of Class of Securities

Common Stock, par value \$0.001 per share

(e) CUSIP Number

# 002120202

# Item 3. If this statement is filed pursuant to §§240.13d-1(b), or 240.13d-2(b) or (c), check whether the person filing is a:

Not applicable

# Item 4. Ownership

(a) Amount Beneficially Owned as of September 27, 2021:

Venrock Healthcare Capital Partners II, L.P.	1,815,000(1)
VHCP Co-Investment Holdings II, LLC	1,815,000(1)
Venrock Healthcare Capital Partners III, L.P.	1,815,000(1)
VHCP Co-Investment Holdings III, LLC	1,815,000(1)
Venrock Healthcare Capital Partners EG, L.P.	1,815,000(1)
VHCP Management II, LLC	1,815,000(1)
VHCP Management III, LLC	1,815,000(1)
VHCP Management EG, LLC	1,815,000(1)
Nimish Shah	1,815,000(1)
Bong Koh	1,815,000(1)

(b) Percent of Class as of September 27, 2021:

Venrock Healthcare Capital Partners II, L.P.	6.7%
VHCP Co-Investment Holdings II, LLC	6.7%
Venrock Healthcare Capital Partners III, L.P.	6.7%
VHCP Co-Investment Holdings III, LLC	6.7%
Venrock Healthcare Capital Partners EG, L.P.	6.7%
VHCP Management II, LLC	6.7%
VHCP Management III, LLC	6.7%
VHCP Management EG, LLC	6.7%
Nimish Shah	6.7%
Bong Koh	6.7%

(c) Number of shares as to which the person has, as of September 27, 2021:

## (i) Sole power to vote or to direct the vote

Venrock Healthcare Capital Partners II, L.P.	0
VHCP Co-Investment Holdings II, LLC	0
Venrock Healthcare Capital Partners III, L.P.	0
VHCP Co-Investment Holdings III, LLC	0
Venrock Healthcare Capital Partners EG, L.P.	0
VHCP Management II, LLC	0
VHCP Management III, LLC	0
VHCP Management EG, LLC	0
Nimish Shah	0
Bong Koh	0

Venrock Healthcare Capital Partners II, L.P.	1,815,000(1)
VHCP Co-Investment Holdings II, LLC	1,815,000(1)
Venrock Healthcare Capital Partners III, L.P.	1,815,000(1)
VHCP Co-Investment Holdings III, LLC	1,815,000(1)
Venrock Healthcare Capital Partners EG, L.P.	1,815,000(1)
VHCP Management II, LLC	1,815,000(1)
VHCP Management III, LLC	1,815,000(1)
VHCP Management EG, LLC	1,815,000(1)
Nimish Shah	1,815,000(1)
Bong Koh	1,815,000(1)

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

Venrock Healthcare Capital Partners II, L.P.	0
VHCP Co-Investment Holdings II, LLC	0
Venrock Healthcare Capital Partners III, L.P.	0
VHCP Co-Investment Holdings III, LLC	0
Venrock Healthcare Capital Partners EG, L.P.	0
VHCP Management II, LLC	0
VHCP Management III, LLC	0
VHCP Management EG, LLC	0
Nimish Shah	0
Bong Koh	0

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

Venrock Healthcare Capital Partners II, L.P.	1,815,000(1)
VHCP Co-Investment Holdings II, LLC	1,815,000(1)
Venrock Healthcare Capital Partners III, L.P.	1,815,000(1)
VHCP Co-Investment Holdings III, LLC	1,815,000(1)
Venrock Healthcare Capital Partners EG, L.P.	1,815,000(1)
VHCP Management II, LLC	1,815,000(1)
VHCP Management III, LLC	1,815,000(1)
VHCP Management EG, LLC	1,815,000(1)
Nimish Shah	1,815,000(1)
Bong Koh	1,815,000(1)

(1) Consists of (i) 318,101 shares held by Venrock Healthcare Capital Partners II, L.P., (ii) 128,969 shares held by VHCP Co-Investment Holdings II, LLC, (iii) 545,106 shares held by Venrock Healthcare Capital Partners III, L.P., (iv) 54,540 shares held by VHCP Co-Investment Holdings III, LLC and (v) 768,284 shares held by Venrock Healthcare Capital Partners EG, L.P. VHCP Management II, LLC is the general partner of Venrock Healthcare Capital Partners EG, L.P. VHCP Management II, LLC is the general partner of Venrock Healthcare Capital Partners III, L.P. and the manager of VHCP Co-Investment Holdings III, LLC. VHCP Management EG, LLC is the general partner of Venrock Healthcare Capital Partners EG, L.P. Messrs. Shah and Koh are the voting members of VHCP Management II, LLC, VHCP Management III, LLC, VHCP Management EG, LLC.

#### 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 person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following  $\Box$ .

### Item 6. Ownership of More than Five Percent on Behalf of Another Person

Not Applicable

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company or Control Person.

Not Applicable

### Item 8. Identification and Classification of Members of the Group

Not Applicable

## Item 9. Notice of Dissolution of a Group

Not Applicable

#### Item 10. Certification

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect, other than activities solely in connection with a nomination under § 240.14a-11.

#### **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.

Dated: September 27, 2021

## Venrock Healthcare Capital Partners II, L.P.

By: VHCP Management II, LLC Its: General Partner

By: /s/ David L. Stepp Name: David L. Stepp Its: Authorized Signatory

#### **VHCP Co-Investment Holdings II, LLC**

By: VHCP Management II, LLC Its: Manager

By: /s/ David L. Stepp Name: David L. Stepp Its: Authorized Signatory

#### **VHCP Management II, LLC**

By: /s/ David L. Stepp Name: David L. Stepp Its: Authorized Signatory

## Venrock Healthcare Capital Partners EG, L.P.

By: VHCP Management EG, LLC Its: General Partner

/s/ David L. Stepp Name: David L. Stepp Its: Authorized Signatory

#### Bong Koh

/s/ David L. Stepp David L. Stepp, Attorney-in-fact

## Nimish Shah

/s/ David L. Stepp David L. Stepp, Attorney-in-fact

#### Venrock Healthcare Capital Partners III, L.P.

- By: VHCP Management III, LLC
- Its: General Partner
- By: /s/ David L. Stepp Name: David L. Stepp Its: Authorized Signatory

#### VHCP Co-Investment Holdings III, LLC

- By: VHCP Management III, LLC
- Its: Manager
- By: /s/ David L. Stepp

Name: David L. Stepp Its: Authorized Signatory

# **VHCP Management III, LLC**

By: /s/ David L. Stepp Name: David L. Stepp Its: Authorized Signatory

## VHCP Management EG, LLC

/s/ David L. Stepp

Name: David L. Stepp Its: Authorized Signatory

its. Authorized Signatory

# EXHIBITS

- A: Joint Filing Agreement
- B: Power of Attorney for Nimish Shah
- C: Power of Attorney for Bong Koh

## EXHIBIT A

## JOINT FILING AGREEMENT

In accordance with Rule 13d-1(k) under the Securities Exchange Act of 1934, as amended, the undersigned agree to the joint filing on behalf of each of them of a statement on Schedule 13G (including amendments thereto) with respect to the Common Stock of aTyr Pharma, Inc. and further agree that this agreement be included as an exhibit to such filing. Each party to the agreement expressly authorizes each other party to file on its behalf any and all amendments to such statement. Each party to this agreement agrees that this joint filing agreement may be signed in counterparts.

In evidence whereof, the undersigned have caused this Agreement to be executed on their behalf this 27<sup>th</sup> day of September, 2021.

# Venrock Healthcare Capital Partners II, L.P.

By: VHCP Management II, LLC Its: General Partner

# By: /s/ David L. Stepp

Name: David L. Stepp Its:

Authorized Signatory

## **VHCP Co-Investment Holdings II, LLC**

By: VHCP Management II, LLC Its: Manager

By: /s/ David L. Stepp

Name: David L. Stepp Authorized Signatory Its:

#### **VHCP Management II, LLC**

By: /s/ David L. Stepp Name: David L. Stepp Authorized Signatory Its:

## Venrock Healthcare Capital Partners EG, L.P.

By: VHCP Management EG, LLC Its: General Partner

/s/ David L. Stepp Name: David L. Stepp Authorized Signatory Its:

## **Bong Koh**

/s/ David L. Stepp David L. Stepp, Attorney-in-fact

#### Nimish Shah

/s/ David L. Stepp David L. Stepp, Attorney-in-fact

#### Venrock Healthcare Capital Partners III, L.P.

- VHCP Management III, LLC Bv:
- General Partner Its:
- /s/ David L. Stepp Bv: Name: David L. Stepp Its: Authorized Signatory

## **VHCP Co-Investment Holdings III, LLC**

Bv: VHCP Management III, LLC

- Its: Manager
- By: /s/ David L. Stepp Name: David L. Stepp Authorized Signatory Its:

## **VHCP Management III, LLC**

By: /s/ David L. Stepp Name: David L. Stepp Its: Authorized Signatory

## **VHCP Management EG, LLC**

/s/ David L. Stepp

Name: David L. Stepp Authorized Signatory Its:

#### EXHIBIT B

#### POWER OF ATTORNEY FOR NIMISH SHAH

KNOW ALL BY THESE PRESENTS, that the undersigned hereby constitutes and appoints each of David L. Stepp, Sherman G. Souther and Lisa D. Harris signing individually, the undersigned's true and lawful attorney-in fact and agent to:

- (i) prepare execute and file, for and on behalf of the undersigned, any and all documents and filings that are required or advisable to be made with the United States Securities and Exchange Commission, any stock exchange or similar authority, under the Securities Exchange Act of 1934, as amended (the "Exchange Act"), and the rules and regulations promulgated thereunder, including without limitation (a) any Joint Filing Agreement under Rule 13d-1(k) of the Exchange Act (or any successor provision thereunder), Schedule 13D and Schedule 13G (or any successor schedules or forms adopted under the Exchange Act ) and any amendments thereto in accordance with Section 13 of the Exchange Act and the rules thereunder, and (b) Forms 3, 4 and 5 and any amendments thereto in accordance with Section 16(a) of the Exchange Act and the rules thereunder; and
- (ii) take any other action of any nature whatsoever in connection with the foregoing which, in the opinion of such attorney-in-fact, may be of benefit, in the best interest of, or legally required by, the undersigned, it being understood that the documents executed by such attorney-in-fact on behalf of the undersigned pursuant to this Power of Attorney shall be in such form and shall contain such terms and conditions as such attorney-in-fact may approve in such attorney-in-fact's discretion.

The undersigned hereby grants to such attorney-in-fact full power and authority to do and perform any and every act and thing whatsoever requisite, necessary, or proper to be done in the exercise of any of the rights and powers herein granted, as fully to all intents and purposes as the undersigned might or could do if personally present, with full power of substitution or revocation, hereby ratifying and confirming all that such attorney-in-fact, or such attorney-in-fact's substitute or substitutes, shall lawfully do or cause to be done by virtue of this power of attorney and the rights and powers herein granted. The undersigned acknowledges that the foregoing attorney-in-fact, in serving in such capacity at the request of undersigned, is not assuming, nor is Venrock assuming, any of the undersigned's responsibilities to comply with the Exchange Act, including without limitation Sections 13 and 16 of the Exchange Act.

This power of Attorney shall remain in full force and effect until the earliest to occur of (a) the undersigned is no longer required to file any form or document with respect to the undersigned's holdings of and transactions in securities issued by a company, (b) revocation by the undersigned in a signed writing delivered to the foregoing attorney-in-fact, or (c) until such attorney-in-fact shall no longer be employed by VR Management, LLC (or its successor).

IN WITNESS WHEREOF, the undersigned has cause this Power of Attorney to be executed as of this 27<sup>th</sup> day of September, 2021.

/s/ Nimish Shah

#### EXHIBIT C

#### POWER OF ATTORNEY FOR BONG KOH

KNOW ALL BY THESE PRESENTS, that the undersigned hereby constitutes and appoints each of David L. Stepp, Sherman G. Souther and Lisa D. Harris signing individually, the undersigned's true and lawful attorney-in fact and agent to:

- (i) prepare execute and file, for and on behalf of the undersigned, any and all documents and filings that are required or advisable to be made with the United States Securities and Exchange Commission, any stock exchange or similar authority, under the Securities Exchange Act of 1934, as amended (the "Exchange Act"), and the rules and regulations promulgated thereunder, including without limitation (a) any Joint Filing Agreement under Rule 13d-1(k) of the Exchange Act (or any successor provision thereunder), Schedule 13D and Schedule 13G (or any successor schedules or forms adopted under the Exchange Act ) and any amendments thereto in accordance with Section 13 of the Exchange Act and the rules thereunder, and (b) Forms 3, 4 and 5 and any amendments thereto in accordance with Section 16(a) of the Exchange Act and the rules thereunder; and
- (ii) take any other action of any nature whatsoever in connection with the foregoing which, in the opinion of such attorney-in-fact, may be of benefit, in the best interest of, or legally required by, the undersigned, it being understood that the documents executed by such attorney-in-fact on behalf of the undersigned pursuant to this Power of Attorney shall be in such form and shall contain such terms and conditions as such attorney-in-fact may approve in such attorney-in-fact's discretion.

The undersigned hereby grants to such attorney-in-fact full power and authority to do and perform any and every act and thing whatsoever requisite, necessary, or proper to be done in the exercise of any of the rights and powers herein granted, as fully to all intents and purposes as the undersigned might or could do if personally present, with full power of substitution or revocation, hereby ratifying and confirming all that such attorney-in-fact, or such attorney-in-fact's substitute or substitutes, shall lawfully do or cause to be done by virtue of this power of attorney and the rights and powers herein granted. The undersigned acknowledges that the foregoing attorney-in-fact, in serving in such capacity at the request of undersigned, is not assuming, nor is Venrock assuming, any of the undersigned's responsibilities to comply with the Exchange Act, including without limitation Sections 13 and 16 of the Exchange Act.

This power of Attorney shall remain in full force and effect until the earliest to occur of (a) the undersigned is no longer required to file any form or document with respect to the undersigned's holdings of and transactions in securities issued by a company, (b) revocation by the undersigned in a signed writing delivered to the foregoing attorney-in-fact, or (c) until such attorney-in-fact shall no longer be employed by VR Management, LLC (or its successor).

IN WITNESS WHEREOF, the undersigned has cause this Power of Attorney to be executed as of this 27<sup>th</sup> day of September, 2021.

/s/ Bong Koh