

SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

SCHEDULE 13G
(Rule 13d-102)

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT
TO RULES 13d-1(b),(c) AND (d) AND AMENDMENTS THERETO FILED
PURSUANT TO RULE 13d-2(b)
(Amendment No. 1)¹

aTyr Pharma, Inc.
(Name of Issuer)

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

002120103
(CUSIP Number)

December 31, 2020
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)

¹The 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 or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act.

1)	Name of Reporting Person I.R.S. Identification No. of Above Person (Entities Only) (Voluntary)	Domain Partners VIII, L.P.		
2)	Check the Appropriate Box if a Member of a Group	(a) <input checked="" type="checkbox"/>	(b) <input type="checkbox"/>	
3)	SEC Use Only			
4)	Citizenship or Place of Organization	Delaware		
Number of Shares Beneficially Owned by Each Reporting Person With	5)	Sole Voting Power	89,425 shares of Common Stock *	
	6)	Shared Voting Power	-0-	
	7)	Sole Dispositive Power	89,425 shares of Common Stock *	
	8)	Shared Dispositive Power	-0-	
9)	Aggregate Amount Beneficially Owned by Each Reporting Person	89,425 shares of Common Stock *		
10)	Check if the Aggregate Amount in Row (9) Excludes Certain Shares			
11)	Percent of Class Represented by Amount in Row (9)	0.9% **		
12)	Type of Reporting Person	PN		

* As of December 31, 2020

** Based on 10,185,458 shares of Common Stock outstanding as of November 13, 2020, as reported in the Issuer's Prospectus Supplement on Form 424B5 dated November 13, 2020 and filed with the Securities and Exchange Commission on November 16, 2020.

1)	Name of Reporting Person I.R.S. Identification No. of Above Person (Entities Only) (Voluntary)	DP VIII Associates, L.P.		
2)	Check the Appropriate Box if a Member of a Group	(a) <input checked="" type="checkbox"/>	(b) <input type="checkbox"/>	
3)	SEC Use Only			
4)	Citizenship or Place of Organization	Delaware		
	Number of Shares Beneficially Owned by Each Reporting Person With	5)	Sole Voting Power	664 shares of Common Stock *
		6)	Shared Voting Power	-0-
		7)	Sole Dispositive Power	664 shares of Common Stock *
		8)	Shared Dispositive Power	-0-
9)	Aggregate Amount Beneficially Owned by Each Reporting Person	664 shares of Common Stock *		
10)	Check if the Aggregate Amount in Row (9) Excludes Certain Shares			
11)	Percent of Class Represented by Amount in Row (9)	Less than 0.1% **		
12)	Type of Reporting Person	PN		

* As of December 31, 2020

** Based on 10,185,458 shares of Common Stock outstanding as of November 13, 2020, as reported in the Issuer's Prospectus Supplement on Form 424B5 dated November 13, 2020 and filed with the Securities and Exchange Commission on November 16, 2020.

1)	Name of Reporting Person I.R.S. Identification No. of Above Person (Entities Only) (Voluntary)	Domain Associates, LLC		
2)	Check the Appropriate Box if a Member of a Group	(a) <input checked="" type="checkbox"/>	(b) <input type="checkbox"/>	
3)	SEC Use Only			
4)	Citizenship or Place of Organization	Delaware		
	Number of Shares Beneficially Owned by Each Reporting Person With	5)	Sole Voting Power	450 shares of Common Stock *
		6)	Shared Voting Power	-0-
		7)	Sole Dispositive Power	450 shares of Common Stock *
		8)	Shared Dispositive Power	-0-
9)	Aggregate Amount Beneficially Owned by Each Reporting Person	450 shares of Common Stock *		
10)	Check if the Aggregate Amount in Row (9) Excludes Certain Shares			
11)	Percent of Class Represented by Amount in Row (9)	Less than 0.1% **		
12)	Type of Reporting Person	PN		

* As of December 31, 2020

** Based on 10,185,458 shares of Common Stock outstanding as of November 13, 2020, as reported in the Issuer's Prospectus Supplement on Form 424B5 dated November 13, 2020 and filed with the Securities and Exchange Commission on November 16, 2020.

Amendment No. 1 to Schedule 13G (FINAL AMENDMENT)

Reference is hereby made to the statement on Schedule 13G filed with the Securities and Exchange Commission by the Reporting Persons with respect to the Common Stock of the Issuer on January 19, 2016 (the "Schedule 13G"). Terms defined in the Schedule 13G are used herein as so defined.

The following items of the Schedule 13G are hereby amended and restated as follows:

Item 2(b) – Address of Principal Business Office:

202 Carnegie Center, Suite 104, Princeton, NJ 08540

Item 4 – Ownership.

(a) through (c):

The information requested in these paragraphs is incorporated herein by reference to the cover pages to this Amendment No. 1 to Schedule 13G.

Item 5 – Ownership of Five Percent or Less of a Class:

If this statement is being filed to report the fact that the Reporting Persons have ceased to be the beneficial owners of more than five percent of the Common Stock, check the following:

Signature

After reasonable inquiry and to the best of their knowledge and belief, the undersigned hereby certify that the information set forth in this statement is true, complete and correct.

Dated: January 21, 2021

DOMAIN PARTNERS VIII, L.P.

By: One Palmer Square Associates VIII, L.L.C., General Partner

By: /s/ Lisa A. Kraeutler

Attorney-in-Fact

DP VIII ASSOCIATES, L.P.

By: One Palmer Square Associates VIII, L.L.C., General Partner

By: /s/ Lisa A. Kraeutler

Attorney-in-Fact

DOMAIN ASSOCIATES, LLC

By: /s/ Lisa A. Kraeutler

Attorney-in-Fact