

OMB APPROVAL	
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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* <u>Domain Partners VIII, L.P.</u> <hr/> (Last) (First) (Middle) <u>C/O DOMAIN ASSOCIATES, LLC</u> <u>ONE PALMER SQUARE</u> <hr/> (Street) <u>PRINCETON NJ 08542</u> <hr/> (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>aTYR PHARMA INC [LIFE]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director <input checked="" type="checkbox"/> 10% Owner Officer (give title below) Other (specify below)
	3. Date of Earliest Transaction (Month/Day/Year) <u>05/12/2015</u>	
	4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Individual or Joint/Group Filing (Check Applicable Line) Form filed by One Reporting Person <input checked="" type="checkbox"/> Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	05/12/2015		C		1,807,820	A	(1)	1,807,820	D ⁽⁴⁾ (5)(6)(7)	

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Series C Preferred Stock	(1)	05/12/2015		C		12,143,933 ⁽²⁾		(1)	(1)	Common Stock	1,526,745	\$0	0	D ⁽⁴⁾ (5)(6)	
Series D Preferred Stock	(1)	05/12/2015		C		1,506,901 ⁽²⁾		(1)	(1)	Common Stock	189,449	\$0	0	D ⁽⁴⁾ (5)(6)	
Series E Preferred Stock	(1)	05/12/2015		C		887,073 ⁽³⁾		(1)	(1)	Common Stock	91,626	\$0	0	D ⁽⁴⁾ (5)(6)	

1. Name and Address of Reporting Person*
Domain Partners VIII, L.P.

 (Last) (First) (Middle)
C/O DOMAIN ASSOCIATES, LLC
ONE PALMER SQUARE

 (Street)
PRINCETON NJ 08542

 (City) (State) (Zip)

1. Name and Address of Reporting Person*
BLAIR JAMES C

 (Last) (First) (Middle)
C/O DOMAIN ASSOCIATES, LLC
ONE PALMER SQUARE

 (Street)
PRINCETON NJ 08542

 (City) (State) (Zip)

1. Name and Address of Reporting Person*
DOVEY BRIAN H

 (Last) (First) (Middle)
C/O DOMAIN ASSOCIATES, LLC

ONE PALMER SQUARE

(Street)

PRINCETON NJ 08542

(City) (State) (Zip)

1. Name and Address of Reporting Person*

[TREU JESSE I](#)

(Last) (First) (Middle)

C/O DOMAIN ASSOCIATES, LLC
ONE PALMER SQUARE

(Street)

PRINCETON NJ 08542

(City) (State) (Zip)

1. Name and Address of Reporting Person*

[SCHOEMAKER KATHLEEN K](#)

(Last) (First) (Middle)

C/O DOMAIN ASSOCIATES, LLC
ONE PALMER SQUARE

(Street)

PRINCETON NJ 08542

(City) (State) (Zip)

1. Name and Address of Reporting Person*

[VITULLO NICOLE](#)

(Last) (First) (Middle)

C/O DOMAIN ASSOCIATES, LLC
ONE PALMER SQUARE

(Street)

PRINCETON NJ 08542

(City) (State) (Zip)

1. Name and Address of Reporting Person*

[Halak Brian K](#)

(Last) (First) (Middle)

C/O DOMAIN ASSOCIATES, LLC
ONE PALMER SQUARE

(Street)

PRINCETON NJ 08542

(City) (State) (Zip)

Explanation of Responses:

1. All outstanding Preferred Stock automatically converted into Common Stock immediately prior to the closing of the Issuer's initial public offering for no additional consideration. The Preferred Stock had no expiration date.
2. These shares converted into Common Stock on a 1-for-7.95413 basis.
3. These shares converted into Common Stock on a 1-for-9.6814 basis.
4. The securities reported as directly beneficially owned by the designated Reporting Person may be deemed to be indirectly beneficially owned by each of the Reporting Owners listed below, each of whom is a managing member of One Palmer Square Associates VIII, LLC, the sole general partner of the designated Reporting Person. Pursuant to Instruction 4(b)(iv) of Form 4, each such individual has elected to report as indirectly beneficially owned the entire number of securities owned by the designated Reporting Person, however each of them disclaims beneficial ownership of any securities, and any proceeds thereof, that exceed his or her pecuniary interest therein and/or that are not actually distributed to him or her.
5. As managing members of the sole general partner of DP VIII Associates, L.P., each Reporting Owner listed below may also be deemed to indirectly beneficially own 13,414 shares of Common Stock held by DP VIII Associates, L.P. Pursuant to Instruction 4(b)(iv) of Form 4, each such individual has elected to report as indirectly beneficially owned the entire number of securities owned by DP VIII Associates, L.P., however each of them disclaims beneficial ownership of any securities, and any proceeds thereof, that exceed his or her pecuniary interest therein and/or that are not actually distributed to him or her.
6. As managing members of Domain Associates, LLC, each Reporting Owner listed below may also be deemed to indirectly beneficially own 6,286 shares of Common Stock held by Domain Associates, LLC. Pursuant to Instruction 4(b)(iv) of Form 4, each such individual has elected to report as indirectly beneficially owned the entire number of securities owned by Domain Associates, LLC, however each of them disclaims beneficial ownership of any securities, and any proceeds thereof, that exceed his or her pecuniary interest therein and/or that are not actually distributed to him or her.
7. James C. Blair also directly beneficially owns 6,286 shares of Common Stock.

Remarks:

[/s/ Kathleen K. Schoemaker, as 05/12/2015](#)
[Managing Member of One](#)
[Palmer Square Associates VIII,](#)
[LLC, the general partner of](#)
[Domain Partners VIII, L.P.,](#)
[individually and as Attorney-in-](#)

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

* If the form is filed by more than one reporting person, see Instruction 4 (b)(v).

** Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.