

OMB APPROVAL	
OMB Number:	3235-0287
Estimated average burden	
hours per response:	0.5

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>Alta Partners VIII, L.P.</u>			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)		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) <u>05/12/2015</u>			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		
C/O ALTA PARTNERS ONE EMBARCADERO CENTER, 37TH FLOOR			4. If Amendment, Date of Original Filed (Month/Day/Year)					
(Street) SAN FRANCISCO CA 94111								
(City) (State) (Zip)								

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		1,685,758	A	(1)	1,685,758 ⁽²⁾	D ⁽³⁾	
Common Stock	05/12/2015		C		92,306	A	(4)	1,778,064 ⁽⁵⁾	D ⁽³⁾	

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 B Redeemable Convertible Preferred Stock	(1)	05/12/2015		C			3,600,000	(1)	(1)	Common Stock	452,595 ⁽²⁾	\$0.00	0	D ⁽³⁾	
Series B-2 Redeemable Convertible Preferred Stock	(1)	05/12/2015		C			4,320,173	(1)	(1)	Common Stock	543,136 ⁽²⁾	\$0.00	0	D ⁽³⁾	
Series C Redeemable Convertible Preferred Stock	(1)	05/12/2015		C			4,361,703	(1)	(1)	Common Stock	548,356 ⁽²⁾	\$0.00	0	D ⁽³⁾	
Series D Redeemable Convertible Preferred Stock	(1)	05/12/2015		C			1,126,866	(1)	(1)	Common Stock	141,671 ⁽²⁾	\$0.00	0	D ⁽³⁾	
Series E Redeemable Convertible Preferred Stock	(4)	05/12/2015		C			893,655	(4)	(4)	Common Stock	92,306 ⁽⁵⁾	\$0.00	0	D ⁽³⁾	

1. Name and Address of Reporting Person* <u>Alta Partners VIII, L.P.</u>		
(Last)	(First)	(Middle)
C/O ALTA PARTNERS ONE EMBARCADERO CENTER, 37TH FLOOR		
(Street) SAN FRANCISCO CA 94111		
(City)	(State)	(Zip)

1. Name and Address of Reporting Person* <u>Alta Partners Management VIII, LLC</u>		
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(Last) (First) (Middle)
C/O ALTA PARTNERS
ONE EMBARCADERO CENTER, 37TH FLOOR

(Street)
SAN FRANCISCO CA 94111

(City) (State) (Zip)

1. Name and Address of Reporting Person*

JANNEY DANIEL

(Last) (First) (Middle)
C/O ALTA PARTNERS
ONE EMBARCADERO CENTER, 37TH FLOOR

(Street)
SAN FRANCISCO CA 94111

(City) (State) (Zip)

1. Name and Address of Reporting Person*

CHAMPSI FARAH

(Last) (First) (Middle)
C/O ALTA PARTNERS
ONE EMBARCADERO CENTER, 37TH FLOOR

(Street)
SAN FRANCISCO CA 94111

(City) (State) (Zip)

1. Name and Address of Reporting Person*

NOHRA GUY P

(Last) (First) (Middle)
C/O ALTA PARTNERS
ONE EMBARCADERO CENTER, 37TH FLOOR

(Street)
SAN FRANCISCO CA 94111

(City) (State) (Zip)

Explanation of Responses:

1. The aggregate number of shares of Issuer's Preferred Stock held by the Reporting Person converted into Common Stock immediately prior to the closing of the Issuer's initial public offering and has no expiration date. These shares converted into Common Stock on a 1-for-7.95413 basis.
2. Reflects a 1-for-7.95413 stock conversion of the Issure's Preferred Stock into Common Stock which became effective immediately prior to the closing of the Issuer's initial public offering.
3. The shares of Preferred Stock are held of record by Alta Partners VIII, L.P. ("APVIII"). Alta Partners Management VIII, LLC ("APMVIII") is the general partner of APVIII. Guy Nohra, Daniel Janney and Farah Champs are managing directors of APMVIII and exercise shared voting and investment power with respect to the shares owned by APVIII. Each of the Reporting Persons disclaims beneficial ownership of such securities, except to the extent of his, her or its proportionate pecuniary interest therein.
4. The aggregate number of shares of Issuer's Preferred Stock held by the Reporting Person converted into Common Stock immediately prior to the closing of the Issuer's initial public offering and has no expiration date. These shares converted into Common Stock on a 1-for-9.6814 basis.
5. Reflects a 1-for 9.6814 stock conversion of the Issuer's Preferred Stock into Common Stock which became effective immediately prior to the closing of the Issuer's initial public offering.

Remarks:

/s/ Larry Randall

05/14/2015

** Signature of Reporting Person

Date

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.