

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF
SECURITIESFiled 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>Krueger Nancy</u>	2. Date of Event Requiring Statement (Month/Day/Year) 02/06/2019	3. Issuer Name and Ticker or Trading Symbol <u>aTYR PHARMA INC [LIFE]</u>	
		4. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <u>General Counsel</u>	5. If Amendment, Date of Original Filed (Month/Day/Year)
(Last) (First) (Middle) 3545 JOHN HOPKINS COURT, SUITE 250			6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person Form filed by More than One Reporting Person
(Street) SAN DIEGO CA 92121			
(City) (State) (Zip)			

Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	14,999	D	

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

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of Derivative Security	5. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date				
Stock Option (right to buy)	(1)	10/10/2024	Common Stock	35,608	17.74	D
Stock Option (right to buy)	(2)	04/17/2025	Common Stock	6,286	9.15	D
Stock Option (right to buy)	(3)	05/06/2025	Common Stock	8,800	14	D
Stock Option (right to buy)	(4)	10/01/2025	Common Stock	17,000	10.24	D
Stock Option (right to buy)	(5)	01/27/2026	Common Stock	20,000	6.14	D
Stock Option (right to buy)	(6)	09/13/2026	Common Stock	36,500	3.06	D
Stock Option (right to buy)	(7)	02/07/2027	Common Stock	35,000	3.3	D
Stock Option (right to buy)	(8)	02/06/2028	Common Stock	50,000	3.3	D
Stock Option (right to buy)	(9)	05/16/2028	Common Stock	50,000	0.85	D
Restricted Stock Units	(10)	(10)	Common Stock	25,000	(11)	D

Explanation of Responses:

- The shares subject to this option shares vest and become exercisable in 48 monthly installments beginning November 7, 2014. This option is subject to accelerated vesting upon termination without cause upon a change in control of the Issuer.
- The shares subject to this option shares vest and become exercisable in 48 monthly installments beginning May 17, 2015. This option is subject to accelerated vesting upon termination without cause upon a change in control of the Issuer.
- The shares subject to this option shares vest and become exercisable in 48 monthly installments beginning June 6, 2015. This option is subject to accelerated vesting upon termination without cause upon a change in control of the Issuer.
- The shares subject to this option shares vest and become exercisable in 48 monthly installments beginning November 1, 2015. This option is subject to accelerated vesting upon termination without cause upon a change in control of the Issuer.
- The shares subject to this option shares vest and become exercisable in 48 monthly installments beginning February 1, 2016. This option is subject to accelerated vesting upon termination without cause upon a change in control of the Issuer.
- The shares subject to this option shares vest and become exercisable in 48 monthly installments beginning October 13, 2016. This option is subject to accelerated vesting upon termination without cause upon a change in control of the Issuer.
- The shares subject to this option shares vest and become exercisable in 48 monthly installments beginning March 7, 2017. This option is subject to accelerated vesting upon termination without cause upon a change in control of the Issuer.
- The shares subject to this option shares vest and become exercisable in 48 monthly installments beginning March 6, 2018. This option is subject to accelerated vesting upon termination without cause upon a change in control of the Issuer.
- The shares subject to this option shares vest and become exercisable in 48 monthly installments beginning June 16, 2018. This option is subject to accelerated vesting upon termination without cause upon a change in control of the Issuer.
- The restricted stock units (RSUs) are scheduled to vest in two equal annual installments beginning May 16, 2019, such that this grant will be fully vest on May 16, 2020. This grant is subject to accelerated vesting upon termination without cause upon a change of control of the Issuer.
- Each RSU represents a contingent right to receive one share of the Issuer's common stock.

Remarks:

Nancy D. Krueger02/08/2019

** 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 5 (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.