
**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION**
Washington, D.C. 20549

SCHEDULE 14A INFORMATION

**Proxy Statement Pursuant to Section 14(a) of the
Securities Exchange Act of 1934
(Amendment No.)**

Filed by the Registrant Filed by a Party other than the Registrant

Check the appropriate box:

- Preliminary Proxy Statement
- Confidential, for Use of the Commission Only (as permitted by Rule 14a-6(e)(2))**
- Definitive Proxy Statement
- Definitive Additional Materials
- Soliciting Material under §240.14a-12

ATYR PHARMA, INC.

(Name of Registrant as Specified In Its Charter)

(Name of Person(s) Filing Proxy Statement, if other than the Registrant)

Payment of Filing Fee (Check the appropriate box):

- No fee required.
 - Fee computed on table below per Exchange Act Rules 14a-6(i)(1) and 0-11.
 - (1) Title of each class of securities to which transaction applies: _____
 - (2) Aggregate number of securities to which transaction applies: _____
 - (3) Per unit price or other underlying value of transaction computed pursuant to Exchange Act Rule 0-11 (set forth the amount on which the filing fee is calculated and state how it was determined): _____
 - (4) Proposed maximum aggregate value of transaction: _____
 - (5) Total fee paid: _____
 - Fee paid previously with preliminary materials.
 - Check box if any part of the fee is offset as provided by Exchange Act Rule 0-11(a)(2) and identify the filing for which the offsetting fee was paid previously. Identify the previous filing by registration statement number, or the Form or Schedule and the date of its filing.
 - (1) Amount Previously Paid: _____
 - (2) Form, Schedule or Registration Statement No.: _____
 - (3) Filing Party: _____
 - (4) Date Filed: _____
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Important Notice Regarding the Availability of Proxy Materials for the Stockholder Meeting to be held on May 8, 2019, for aTyr Pharma, Inc.

This communication presents only an overview of the more complete proxy materials that are available to you on the Internet. We encourage you to access and review all of the important information contained in the proxy materials before voting. To view the proxy statement and annual report, go to www.proxydocs.com/LIFE. To submit your proxy while visiting this site, you will need the 12 digit control number in the box below.

Under new United States Securities and Exchange Commission rules, proxy materials do not have to be delivered in paper. Proxy materials can be distributed by making them available on the Internet. We have chosen to use these procedures for our 2019 Annual Meeting and need YOUR participation.

If you want to receive a paper or e-mail copy of the proxy materials, you must request one. There is no charge to you for requesting a copy. In order to receive a paper package in time for this year's annual meeting, please make this request on or before April 26, 2019.

For a Convenient Way to VIEW Proxy Materials – and – VOTE Online go to: www.proxydocs.com/LIFE

Proxy Materials Available to View or Receive:

1. Proxy Statement 2. Annual Report

Printed materials may be requested by one of the following methods:


INTERNET
www.investorelections.com/LIFE


TELEPHONE
(866) 648-8133


*E-MAIL
paper@investorelections.com

You must use the 12 digit control number located in the shaded gray box below.

* If requesting material by e-mail, please send a blank e-mail with the 12 digit control number (located below) in the subject line. No other requests, instructions or other inquiries should be included with your e-mail requesting material.

ACCOUNT NO.

SHARES

aTyr Pharma, Inc. Notice of Annual Meeting



Date: Wednesday, May 8, 2019
Time: 8:30 A.M. (PDT)
Place: Offices of aTyr Pharma, Inc.
3545 John Hopkins Court, Suite #250
San Diego, California 92121

The purpose of the Annual Meeting is to take action on the following proposals:

The Board of Directors recommends that you vote "FOR" the following.

1. Election of Directors
Nominees 01 John K. Clarke
02 Paul Schimmel, Ph. D.

The Board of Directors recommends that you vote "FOR" Proposals 2, 3, 4 and 5.

2. To ratify the appointment of Ernst & Young LLP as the independent registered public accounting firm of the Company for its fiscal year ending December 31, 2019.
3. To approve an amendment to the aTyr Pharma, Inc. 2015 Stock Option and Incentive Plan to increase the number of shares of common stock reserved for issuance thereunder by 1,000,000 shares.
4. To approve an amendment to the Company's Restated Certificate of Incorporation to effect a reverse stock split of the Company's common stock at a ratio in the range of one-for-three (1:3) to one-for-fifteen (1:15), such ratio to be determined in the sole discretion of the Board of Directors.
5. To approve the authorization to adjourn the Annual Meeting, if necessary, to solicit additional proxies if there are not sufficient votes in favor of Proposal 3 or Proposal 4.
6. To transact such other business as may properly come before the meeting or any adjournment or postponement thereof.