

June 25, 2024

Jill Broadfoot  
Chief Financial Officer  
aTYR PHARMA INC  
10240 Sorrento Valley Road  
Suite 300  
San Diego, CA 92014

Re: aTYR PHARMA INC  
Form 10-K for

Fiscal Year Ended December 31, 2023

File No. 001-37378

Dear Jill Broadfoot:

We have completed our review of your filings. We remind you that the company and its management are responsible for the accuracy and adequacy of their disclosures, notwithstanding any review, comments, action or absence of action by the staff.

Sincerely,

Division of Corporation Finance

Office of Life Sciences