



April 23, 2019

**VIA EDGAR**

Securities and Exchange Commission  
100 F Street N.E.  
Washington, D.C. 20549-7010  
USA

**Re: Aptose Biosciences Inc.  
Registration Statement on Form S-3  
Filed March 12, 2019, as amended  
File No. 333-230218**

Pursuant to Rule 461(a) under the Securities Act of 1933, as amended (the "Securities Act"), Aptose Biosciences Inc. (the "Company") hereby respectfully requests that the Securities and Exchange Commission (the "Commission") accelerate the effective date of the above-referenced Registration Statement (the "Registration Statement") to April 25, 2019 at 4:00 p.m. (Eastern) or as soon thereafter as is practicable.

The Company also requests the Commission confirm the effective date and time of the Registration Statement in writing.

**APTOSE BIOSCIENCES INC.**

By                     /s/ Gregory K. Chow                    

Name: Gregory K. Chow

Title: Senior Vice President & Chief  
Financial Officer

