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

**FORM 6-K**

**REPORT OF FOREIGN PRIVATE ISSUER PURSUANT TO RULE 13a-16 OR 15d-16 UNDER THE SECURITIES EXCHANGE ACT OF 1934**

**For the month of April 2018**

Commission File Number: **001-32001**

**Aptose Biosciences Inc.**

(Translation of registrant's name into English)

5955 Airport Road, Suite 228

Mississauga, ON

L4V 1R9

(Address of principal executive office)

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F.

Form 20-F [  ] Form 40-F [  ]

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1):

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7):

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On April 25, 2018, the Registrant issued a press release, a copy of which is attached hereto as Exhibit 99.1 and is incorporated herein by reference.

(c) [Exhibit 99.1](#). Press release dated April 25, 2018

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**SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

**Aptose Biosciences Inc.**  
(Registrant)

Date: April 25, 2018

/s/ Gregory K. Chow  
Gregory K. Chow  
Senior Vice President and Chief Financial Officer

**Aptose Announces Appointment of Caroline M. Loewy to Board of Directors**

SAN DIEGO and TORONTO, April 25, 2018 (GLOBE NEWSWIRE) -- Aptose Biosciences Inc. (NASDAQ:APTO) (TSX:APS), a clinical-stage company developing highly differentiated therapeutics targeting the underlying mechanisms of cancer, today announced the appointment of Caroline M. Loewy to the Board of Directors effective immediately. Aptose's Board of Directors now includes seven members with extensive experience across diverse disciplines in biotechnology and pharmaceutical development.

Ms. Loewy is an accomplished executive leader with more than 25 years of experience in accelerating biotechnology product development and growth. She currently provides strategic advisory services to life science companies on a variety of high-impact matters including funding strategies, product pipeline evaluation, and assessing business development opportunities. Ms. Loewy has held numerous executive roles; most recently, she co-founded and served as Chief Financial Officer and Chief Business Officer of Achieve Life Sciences, Inc. Prior to that, she held the position of Chief Financial Officer of both public and private biopharmaceutical companies including Tobira Therapeutics, Inc., Corcept Therapeutics Incorporated, and Poniard Pharmaceuticals, Inc. Ms. Loewy also spent 11 years as a senior biotechnology equity research analyst at Morgan Stanley and Prudential Securities. She sits on the board of directors of CymaBay Therapeutics Inc.; is a founding board member of the Global Genes Project, one of the leading rare disease patient advocacy organizations in the world; and is a member of the National Advisory Council of the Translational Genomics Research Institute (TGen) Center for Rare Childhood Disorders. Ms. Loewy is also a founding board member of the KCNQ2 Cure Alliance Foundation. Ms. Loewy holds a BA degree from the University of California, Berkeley, and an MBA/MS degree from Carnegie Mellon University.

"With her years of experience as a respected executive leader in our industry, Caroline Loewy considerably strengthens our board's breadth of talent and background," said William G. Rice, Ph.D., Chairman, President and Chief Executive Officer. "We very much look forward to working with her and drawing upon her strategic judgment."

"I am excited to join the Board at a pivotal time in the company's evolution," said Caroline Loewy. "I look forward to working with the team at Aptose to help advance the development of novel anti-cancer therapies."

**About Aptose**

Aptose Biosciences is a clinical-stage biotechnology company committed to developing personalized therapies addressing unmet medical needs in oncology. Aptose is advancing new therapeutics focused on novel cellular targets on the leading edge of cancer. The company's small molecule cancer therapeutics pipeline includes products designed to provide single agent efficacy and to enhance the efficacy of other anti-cancer therapies and regimens without overlapping toxicities. For further information, please visit [www.aptose.com](http://www.aptose.com).

For further information, please contact:

**Aptose Biosciences**

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