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 January 2019

Commission File Number: 001-32001

Aptose Biosciences Inc.

(Translation of registrant's name into English)

251 Consumers Road, Suite 1105 Toronto, Ontario M2J 4R3 Canada (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 $[\ X\]$

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):

On January 2, 2019, the Registrant issued a press release, a copy of which is attached hereto as Exhibit 99.1 and is incorporated herein by reference.

(c) $\underline{\text{Exhibit 99.1}}$. Press release dated January 2, 2019

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: January 2, 2019

Aptose Biosciences to Present at Biotech ShowcaseTM 2019 Conference

SAN DIEGO and TORONTO, Jan. 02, 2019 (GLOBE NEWSWIRE) -- Aptose Biosciences Inc. (Nasdaq: APTO; TSX: APS), a clinical-stage company developing highly differentiated therapeutics that target the underlying mechanisms of cancer, today announced that William G. Rice, Ph.D., Chairman, President and Chief Executive Officer, and Gregory K. Chow, Senior Vice President and Chief Financial Officer, will participate at the upcoming Biotech ShowcaseTM 2019 Conference on Monday, January 7, 2019 at 11:00 a.m. PST in San Francisco, CA.

Conference Presentation Details:

Date: Monday, January 7, 2019

Time: 11:00 a.m. PST

Location: Track Yosemite - C (Ballroom Level)

Hilton San Francisco Union Square, 333 O'Farrell Street, San Francisco, CA 94102

Webcast: https://event.webcasts.com/starthere.jsp?ei=1226323&tp_key=d5803514a3

The audio webcast will be archived shortly after the live event and will be available through the Aptose website at https://ir.aptose.com/events-and-presentations/past-events.

The Company will also be hosting institutional investor and partnering meetings at the LifeSci Advisors Corporate Access Event taking place in San Francisco, on January 8 and 9, 2019.

To schedule a meeting with Aptose, investors can register on the online system managed by the Company's US investor relations firm LifeSci Advisors, LLC, or make a request via e-mail at Access@LifeSciAdvisors.com.

About Aptose Biosciences

Aptose Biosciences is a clinical-stage biotechnology company committed to developing personalized therapies addressing unmet medical needs in oncology, with an initial focus on hematology. 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. APTO-253, the only known clinical stage agent that directly targets the MYC oncogene and inhibits its expression, is in a Phase 1b clinical trial for the treatment of patients with relapsed or refractory acute myeloid leukemia (AML) or high risk MDS. CG-806 is an oral, first-in-class pan-FLT3/pan-BTK multi-cluster kinase inhibitor being developed to treat AML and certain B cell malignancies. For further information, please visit www.aptose.com.

For further information, please contact:

Aptose Biosciences

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LifeSci Advisors, LLC

Dan Ferry, Managing Director 617-535-7746 Daniel@LifeSciAdvisors.com