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

	FORM 8-K	
	CURRENT REPORT	
of	Pursuant to Section 13 or 15(d) the Securities Exchange Act of 1934	
Date of Rep	ort (Date of earliest event reported): October	16, 2025
(Ex	APTOSE BIOSCIENCES INC. act name of registrant as specified in its charter)	
Canada (State or Other Jurisdiction of Incorporation)	001-32001 (Commission File Number)	98-1136802 (I.R.S. Employer Identification No.)
(Ad	66 Wellington Street West, Suite 5300 TD Bank Tower, Box 48 Toronto, Ontario M5K 1E6 Canada dress of Principal Executive Offices) (Zip Code)	
(Re _s	(647) 479-9828 gistrant's telephone number, including area code)	
(Former	name or former address, if changed since last re	port)
Check the appropriate box below if the Form 8-K filing is intended Written communications pursuant to Rule 425 under the Sector Soliciting material pursuant to Rule 14a-12 under the Exchar Pre-commencement communications pursuant to Rule 14d-2 Pre-commencement communications pursuant to Rule 13e-4	urities Act (17 CFR 230.425) nge Act (17 CFR 240.14a-12) (b) under the Exchange Act (17 CFR 240.14d-2(b))
Securities registered pursuant to Section 12(b) of the Act:		
Title of each class	Trading Symbol(s) N/A	Name of each exchange on which registered N/A
None Indicate by check mark whether the registrant is an emerging grow the Securities Exchange Act of 1934 (§240.12b-2 of this chapter).	11/11	
Emerging growth company \square		
If an emerging growth company, indicate by check mark if the reg accounting standards provided pursuant to Section 13(a) of the Ex		ion period for complying with any new or revised financial

Item 7.01. Regulation FD Disclosure.

On October 16, 2025, the Registrant issued a press release, a copy of which is attached hereto as Exhibit 99.1 and is incorporated herein by reference.

In accordance with General Instruction B.2 of Form 8-K, the information in the press release attached as Exhibit 99.1 hereto shall not be deemed to be "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), nor shall such information be deemed incorporated by reference in any filing under the Securities Act of 1933, as amended, or the Exchange Act, except as shall be expressly set forth by specific reference in such filing.

Item 9.01. Financial Statements and Exhibits.

(d) Exhibits

Exhibit Number	<u>Description</u>
99.1	Press Release dated October 16, 2025
104	Cover Page Interactive Data File (embedded within the Inline XBRL document)

SIGNATURE

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 hereunto duly authorized.

Aptose Biosciences Inc.

By: /s/ William G. Rice, Ph.D.
William G. Rice, Ph.D. Date: October 16, 2025

Chairman, President, and Chief Executive Officer

Aptose's Tuspetinib Exceeds Expectations When Combined with Standard of Care Treatment Across Diverse Populations of Newly Diagnosed AML

Data from Phase 1/2 TUSCANY trial presented at the European School of Haematology (ESH) 7th International Conference

- Addition of TUS to VEN+AZA achieves CR/CRh responses in all (6/6, 100%) patients treated at the higher dose levels of 80 mg and 120 mg TUS, exceeding the 66% rate expected from VEN+AZA alone
- CR/CRh responses in 7/8 (88%) FLT3 wildtype AML, representing 70% of AML population
- TUS+VEN+AZA achieves CR/CRh and MRD-negativity in TP53-mutated (2/2), RAS-mutated (1/1) and FLT3-ITD (2/2) AML patients to date
- TUS+VEN+AZA is well tolerated with no DLT, differentiation syndrome, QTc prolongation, or prolonged myelosuppression at any dose level to date in newly diagnosed AML patients
- TUS+VEN+AZA is being developed as a safe and mutation agnostic frontline therapy for AML
- Dosing with 160 mg TUS is now ongoing

SAN DIEGO and TORONTO, Oct. 16, 2025 (GLOBE NEWSWIRE) -- Aptose Biosciences Inc. ("Aptose" or the "Company") (OTC: APTOF, TSX: APS), a clinical-stage precision oncology company developing the tuspetinib (TUS)-based triple drug frontline therapy to treat patients with newly diagnosed AML, today announced that data from the ongoing TUSCANY trial of tuspetinib in combination with venetoclax and azacitidine (TUS+VEN+AZA) are being presented in a poster presentation, "TUSCANY Study of Safety and Efficacy of Tuspetinib plus Standard of Care Venetoclax and Azacitidine in Study Participants with Newly Diagnosed AML Ineligible for Induction Chemotherapy," at the European School of Haematology (ESH) 7th International Conference on Acute Myeloid Leukemia "Molecular and Translational": Advances in Biology and Treatment, being held from October 16-18, 2025 in Estoril, Portugal. Data to date from 10 patients in the TUSCANY trial across all three cohorts, 40 mg, 80 mg or 120 mg TUS dose in TUS+VEN+AZA, reveal promising clinical safety and antileukemic activity and support the use of TUS with standard of care treatment across a broad range of AML populations, including those carrying adverse mutations regardless of FLT3 mutation status.

The TUS+VEN+AZA triplet is being developed as a safe and well-tolerated, mutation agnostic frontline therapy to treat large, mutationally diverse populations of newly diagnosed AML patients who are ineligible to receive induction chemotherapy. Across all dose cohorts to date, no significant safety concerns or dose limiting toxicities (DLTs) have been observed in the TUSCANY trial, including no prolonged myelosuppression in Cycle 1 of subjects in remission, no reports of drug-related QTc prolongation or differentiation syndrome (DS), no CPK elevation and no treatment-related deaths. Dosing has begun at the 160 mg TUS dose level.

"We have observed that TUS can be safely added to a backbone VEN+AZA without needing to reduce the dose of these standard-of-care drugs. The activity we have observed with the TUS triplet in the first 10 patients has exceeded our expectations with 9 achieving complete remissions and 7 demonstrating MRD-negativity by central flow cytometry," said Rafael Bejar, M.D., Ph.D., Chief Medical Officer of Aptose. "In addition, these remissions are happening in diverse genetic subtypes including those with unmutated *FLT3*, *FLT3*-ITD, NPM1c, biallelic TP53 with complex karyotype, RAS, or myelodysplasia related mutations, making this a truly mutation agnostic therapy."

Data highlights:

- TUS in combination with standard dosing of VEN+AZA has been well tolerated with no DLT, no treatment-related deaths, no differentiation syndrome, no QTc prolongation, no prolonged myelosuppression after remission in Cycle 1, and no CPK elevations reported at any dose levels to date in these newly diagnosed AML patients.
- Addition of TUS to VEN+AZA achieved CR/CRh responses in 6/6 (100%) patients treated at the higher dose levels of 80 mg and 120 mg TUS, exceeding the 66% rate expected from VEN+AZA alone.
- Overall, TUS+VEN+AZA CR/CRh responses were observed in 9/10 (90%) patients.
- 7 of 8 (88%) CR/CRh responses in FLT3 wildtype AML, representing 70% of AML population.
- TUS+VEN+AZA MRD-negativity noted in 7/9 (78%) responding patients by central flow cytometry.
- CR/CRh responses achieved across diverse mutational subtypes including: unmutated FLT3, FLT3-ITD, NPM1c, biallelic TP53 with complex karyotype, RAS, and myelodysplasia related mutations.
- Dosing at the TUS 160 mg dose level is now ongoing.

See the ESH poster presentation <u>here</u>.

TUSCANY: TUS+VEN+AZA Triplet Phase 1/2 Study

The tuspetinib-based TUS+VEN+AZA triplet therapy is being advanced in the TUSCANY Phase 1/2 trial with the goal of creating an

improved frontline therapy for newly diagnosed AML patients that is active across diverse AML populations, durable, and well tolerated.

The TUSCANY triplet Phase 1/2 study, being conducted at 10 leading U.S. clinical sites by elite clinical investigators, is designed to test various doses and schedules of TUS in combination with standard dosing of AZA and VEN for patients with AML who are ineligible to receive induction chemotherapy. A convenient, once daily oral agent, TUS is being administered in 28-day cycles. Multiple U.S. sites are enrolling in the TUSCANY trial with anticipated enrollment of 18-24 patients by the end of 2025. Data will be released as it becomes available.

More information on the TUSCANY Phase 1/2 study can be found on www.clinicaltrials.gov (here).

About Aptose

Aptose Biosciences is a clinical-stage biotechnology company committed to developing precision medicines addressing unmet medical needs in oncology, with an initial focus on hematology. The Company's lead clinical-stage, oral kinase inhibitor tuspetinib (TUS) has demonstrated activity as a monotherapy and in combination therapy in patients with relapsed or refractory acute myeloid leukemia (AML) and is being developed as a frontline triplet therapy in newly diagnosed AML. For more information, please visit www.aptose.com.

Forward Looking Statements

This press release may contain forward-looking statements within the meaning of Canadian and U.S. securities laws, including, but not limited to, statements relating to the therapeutic potential and safety profile of tuspetinib (including the triplet therapy) and its clinical development, goals, the anticipated enrollment rate in the TUSCANY trial and the timing thereof, as well as statements relating to the Company's plans, objectives, expectations and intentions and other statements including words such as "continue", "expect", "intend", "will", "should", "would", "may", and other similar expressions. Such statements reflect our current views with respect to future events and are subject to risks and uncertainties and are necessarily based upon a number of estimates and assumptions that, while considered reasonable by us are inherently subject to significant business, economic, competitive, political and social uncertainties and contingencies. Many factors could cause our actual results, performance or achievements to be materially different from any future results, performance or achievements described in this press release. Such factors could include, among others: our ability to obtain the capital required for research and operations and to continue as a going concern; the inherent risks in early stage drug development including demonstrating efficacy; development time/cost and the regulatory approval process; the progress of our clinical trials; our ability to find and enter into agreements with potential partners; our ability to attract and retain key personnel; changing market conditions; inability of new manufacturers to produce acceptable batches of GMP in sufficient quantities; unexpected manufacturing defects; and other risks detailed from time-to-time in our ongoing quarterly filings, annual information forms, annual reports and annual filings with Canadian securities regulators and the United States Securities and Exchange Commission.

Should one or more of these risks or uncertainties materialize, or should the assumptions set out in the section entitled "Risk Factors" in our filings with Canadian securities regulators and the United States Securities and Exchange Commission underlying those forward-looking statements prove incorrect, actual results may vary materially from those described herein. These forward-looking statements are made as of the date of this press release and we do not intend, and do not assume any obligation, to update these forward-looking statements, except as required by law. We cannot assure you that such statements will prove to be accurate as actual results and future events could differ materially from those anticipated in such statements. Investors are cautioned that forward-looking statements are not guarantees of future performance and accordingly investors are cautioned not to put undue reliance on forward-looking statements due to the inherent uncertainty therein.

For further information, please contact:

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