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

FORM 8-K

CURRENT REPORT
Pursuant to Section 13 or 15(d)
of the Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): January 4, 2018

CATALYST BIOSCIENCES, INC.
(Exact name of registrant as specified in its charter)

Delaware	**000-51173**	**56-2020050**
(State or other jurisdiction of incorporation)	**(Commission File Number)**	**(IRS Employer Identification No.)**

260 Littlefield Ave. **South San Francisco, California** **(Address of principal executive offices)**	**94080** **(Zip Code)**

(650) 266–8674
Registrant's telephone number, including area code

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

☐ Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)

☐ Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)

☐ Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))

☐ Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (§ 230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§ 240.12b-2 of this chapter).

Emerging growth company ☒

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act. ☒

Item 8.01 Other Events

On January 4, 2018, Catalyst Biosciences, Inc. issued a press release announcing the initiation of it's Phase 2/3 clinical trial of Marzeptacog Alfa (activated), a potent, subcutaneously administered, Factor VIIa therapy being developed for prophylaxis in hemophilia A or B with inhibitors.

A copy of the press release announcing the initiation of the Phase 2/3 clinical trial is attached hereto as Exhibit 99.1 and is incorporated herein by reference.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits.

Exhibit No.	Description
99.1	Press release of Catalyst Biosciences, Inc. dated January 4, 2018.

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 hereunto duly authorized.

CATALYST BIOSCIENCES, INC.

Date: January 4, 2018

/s/ Nassim Usman

Nassim Usman, Ph.D.
President and Chief Executive Officer

Exhibit 99.1

Catalyst Biosciences Initiates Phase 2/3 Trial of Marzeptacog Alfa (activated) for Prophylaxis in Hemophilia A or B with Inhibitors

Currently Enrolling Individuals with Hemophilia A or B with Inhibitors

Interim Data Expected During the First Half of 2018

SOUTH SAN FRANCISCO, Calif., Jan. 4, 2018 — Catalyst Biosciences, Inc. (Nasdaq: CBIO), a clinical-stage biopharmaceutical company focused on developing novel medicines to address hematology indications, today announced the initiation and open enrollment of the Phase 2 part of the Phase 2/3 program of marzeptacog alfa (activated) (MarzAA), a potent, subcutaneously administered, Factor VIIa therapy being developed for prophylaxis in hemophilia A or B with inhibitors.

“For individuals with hemophilia B with inhibitors there are no approved subcutaneous therapies, and a recently approved subcutaneous treatment for hemophilia A with inhibitors has safety concerns,” said Nassim Usman, Ph.D., president and chief executive officer of Catalyst. “With the initiation of this Phase 2 MarzAA trial, Catalyst is now conducting two clinical studies with subcutaneous candidates for individuals with hemophilia, and we are one step closer to potentially providing safe and convenient treatment options using high potency replacement coagulation factors to restore coagulation.”

This Phase 2 open-label, subcutaneous efficacy trial in individuals with hemophilia A or B with inhibitors will evaluate the ability of MarzAA to eliminate, or minimize, spontaneous bleeding episodes. The primary endpoint is a reduction in annualized bleed rate that will be compared with each individual’s historical annualized bleed rate as the control. Safety and tolerability of daily subcutaneous dosing and potential inhibitor formation will also be monitored. The trial will enroll up to 12 individuals with hemophilia and an inhibitor across approximately ten clinical trial sites globally. Interim data is expected to be announced in the first half of 2018.

About Marzeptacog Alfa (activated)

Marzeptacog alfa (activated) (MarzAA) is a potent, subcutaneous Factor VIIa therapy being developed for prophylaxis in hemophilia A or B with inhibitors. Phase 1 data in 25 individuals with severe hemophilia, with and without inhibitors, showed that MarzAA demonstrated excellent safety and tolerability. A six- to nine-fold improvement in potency and duration of effect has been documented in preclinical studies compared with NovoSeven®. MarzAA has been granted orphan drug designation by the U.S. Food and Drug Administration (FDA) for routine prophylaxis to prevent bleeding episodes in individuals with hemophilia A or B with inhibitors.

About Catalyst

Catalyst is a clinical-stage biopharmaceutical company focused on developing novel medicines to address hematology indications. Catalyst is focused on the field of hemostasis, including the subcutaneous prophylaxis of hemophilia and facilitating surgery in individuals with hemophilia. For more information, please visit http://www.catalystbiosciences.com/.

Forward-Looking Statement

This press release contains forward-looking statements that involve substantial risks and uncertainties. All statements, other than statement of historical facts, included in this press release regarding our strategy, the potential uses and benefits of marzeptacog alfa (activated) and development plans for this product candidate are forward-looking statements. Examples of such statements include, but are not limited to, statements relating to Catalyst's clinical trial timelines, including the anticipated patient enrollment of the Phase 2/3 trial of marzeptacog alfa (activated), the anticipated announcement of interim trial results in the first half of 2018, and the potential uses and benefits of subcutaneously dosed marzeptacog alfa (activated). Actual results or events could differ materially from the plans and expectations and projections disclosed in these forward-looking statements. Various important factors could cause actual results or events to differ materially from the forward-looking statements that Catalyst makes, including, but not limited to, the risk that trials and enrollment may be delayed and may not have satisfactory outcomes, that human trials will not replicate the results from preclinical studies, that subcutaneous dosing of marzeptacog alfa (activated) may not provide a therapeutic response, that potential adverse effects may arise from the testing or use of Catalyst's products, including the generation of antibodies or inhibitors, the risk that costs required to develop or manufacture Catalyst's products will be higher than anticipated, competition, and other factors described in the "Risk Factors" section of the Company's most recent Quarterly Report on Form 10-Q filed with the SEC on November 2, 2017. Catalyst does not assume any obligation to update any forward-looking statements, except as required by law.

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