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): September 14, 2017

KALVISTA PHARMACEUTICALS, INC.
(Exact name of registrant as specified in its charter)

Delaware	**001-36830**	**20-0915291**
(State or Other Jurisdiction of Incorporation)	**(Commission File Number)**	**(IRS Employer Identification No.)**

One Kendall Square
Bld 200, Ste 2203
Cambridge, MA **02139**
(Address of Principal Executive Offices) **(Zip Code)**

(857) 999-0075
(Registrant's telephone number, including area code)

(Former name or former address, if changed since last report)

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 2.02. Results of Operations and Financial Condition.

On September 14, 2017, KalVista Pharmaceuticals, Inc. (the "Company") reported its financial results for the three months ended July 31, 2017. A copy of the press release issued by the Company is furnished as Exhibit 99.1 to this report.

The information furnished with Item 2.02 of this report, including Exhibit 99.1, shall not be deemed "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), or otherwise subject to the liabilities of that section, nor shall it be deemed incorporated by reference into any other filing under the Exchange Act or under the Securities Act of 1933, as amended, except as expressly set forth by specific reference in such a filing.

Item 9.01. Financial Statements and Exhibits.

Exhibit Number	Description
99.1	Press release dated September 14, 2017.

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.

KALVISTA PHARMACEUTICALS, INC.

Date: September 14, 2017

By: /s/ Benjamin L. Palleiko
Benjamin L. Palleiko
Chief Financial Officer

KalVista Pharmaceuticals Reports Fiscal First Quarter Results

– Portfolio of Oral Plasma Kallikrein Inhibitors for Treatment of Hereditary Angioedema Continues to Advance –

– Intravitreal Diabetic Macular Edema Candidate KVD001 Remains on Track for Phase 2 in 2017 –

Cambridge, MA, USA and Porton Down, UK., September 14, 2017 – KalVista Pharmaceuticals, Inc. (NASDAQ: KALV), a clinical stage pharmaceutical company focused on the discovery, development, and commercialization of small molecule protease inhibitors, today reported operational and financial results for the fiscal first quarter ended July 31, 2017.

"We continue to make progress with our portfolio of oral plasma kallikrein inhibitors in pursuit of our goal of a best-in-class oral therapy for hereditary angioedema," said Andrew Crockett, Chief Executive Officer of KalVista. "We are completing the first-in-human trial of KVD818 and plan to evaluate final data and determine future development plans as we continue to advance our additional molecules. KVD900 remains on track to be our next candidate to enter clinical testing, with a regulatory filing before the end of 2017, and there will be at least one additional candidate entering the clinic in 2018. We also continue preparations for the Phase 2 clinical trial for our diabetic macular edema program candidate KVD001, which will initiate this year."

First Quarter and Recent Business Highlights:

- Edward Feener, Ph.D., gave a talk at the International Society on Thrombosis and Haemostasis (ISTH) Congress entitled "Contact System in Diabetic Retinopathy," on July 9, 2017 in Berlin, Germany.

Fiscal First Quarter Financial Results:

- Revenue: Revenue was $0.1 million for the three months ended July 31, 2017, compared to $1.0 million for the same period in 2016. The decrease in revenue is due to the completion of one research grant in the prior year and the decrease of payments received under another research grant in the current year period.
- R&D Expenses: Research and development expenses were $3.5 million for the three months ended July 31, 2017, compared to $3.4 million for the same period in 2016. The increase in R&D expense primarily reflects the impact of exchange rates on the costs of the Company's scientific operations in the U.K. On a constant currency basis, overall R&D expenses increased slightly as a result of the addition of research personnel in the U.S.
- G&A Expenses: General and administrative expenses were $2.1 million for the three months ended July 31, 2017, compared to $2.7 million for the same period in 2016. The decrease was primarily due to a decrease in professional fees in the three months ended July 31, 2017 compared to those incurred in the prior year period related to the share purchase transaction with Carbylan. This decrease was partially offset by an increase in payroll related expenses due to the expansion of the management team and other administrative expenses related to the increased cost of operations as a public company.

- Net Loss: Net loss was $4.9 million, or $(0.51) per basic and diluted share for the three months ended July 31, 2017, compared to a net loss of $3.4 million, or $(6.66) per basic and diluted share, for the same period in 2016.
- Cash: Cash and cash equivalents were $26.5 million as of July 31, 2017.

Upcoming Events:

- Cambridge Healthtech Institute's Fifth Annual Targeting Ocular Disorders Conference presentation "Plasma Kallikrein Inhibition as a VEGF-Independent Treatment for Diabetic Macular Edema," on September 28, 2017 in Boston, MA.

About KalVista Pharmaceuticals, Inc.

KalVista Pharmaceuticals, Inc. is a pharmaceuticals company focused on the discovery, development, and commercialization of small molecule protease inhibitors for diseases with significant unmet need. The initial focus is on inhibitors of plasma kallikrein, which is an important component of the body's inflammatory response and which, in excess, can lead to increased vascular permeability, edema and inflammation. KalVista has developed a proprietary portfolio of novel, small molecule plasma kallikrein inhibitors initially targeting hereditary angioedema (HAE) and diabetic macular edema (DME). The Company has created a structurally diverse portfolio of oral plasma kallikrein inhibitors from which it plans to select multiple drug candidates to advance into clinical trials for HAE. The first candidate of this planned portfolio of programs, KVD818, is currently in a first-in-human study and additional program candidates are in preclinical development. KalVista's most advanced program, an intravitreally administered plasma kallikrein inhibitor known as KVD001, has successfully completed its first-in-human study in patients with DME and is being prepared for Phase 2 studies in 2017.

For more information, please visit www.kalvista.com.

Forward-Looking Statements

This press release contains "forward-looking" statements within the meaning of the safe harbor provisions of the U.S. Private Securities Litigation Reform Act of 1995. Forward-looking statements can be identified by words such as: "anticipate," "intend," "plan," "goal," "seek," "believe," "project," "estimate," "expect," "strategy," "future," "likely," "may," "should," "will" and similar references to future periods. These statements are subject to numerous risks and uncertainties that could cause actual results to differ materially from what we expect. Examples of forward-looking statements include, among others, available funding and future clinical trial timing and results. Further information on potential risk factors that could affect our business and its financial results are detailed in the annual report on Form 10-K filed on July 27, 2017, our most recent Quarterly Report on Form 10-Q, and other reports as filed from time to time with the Securities and Exchange Commission. We undertake no obligation to publicly update any forward-looking statement, whether written or oral, that may be made from time to time, whether as a result of new information, future developments or otherwise.

Contact:

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