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 of the Securities Exchange Act of 1934

Date of Report: May 16, 2017 Commission File Number: 001-36891

Cellectis S.A.

(Exact Name of registrant as specified in its charter)

8, rue de la Croix Jarry 75013 Paris, France +33 1 81 69 16 00 (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):

EXHIBIT INDEX

Exhibit <u>Title</u>

99.1 Press release, dated **May 16, 2017**.

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.

CELLECTIS S.A.

(Registrant)

May 16, 2017

By: /s/ André Choulika

André Choulika
Chief Executive Officer

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Calyxt Launches U.S. Field Trials with University of Minnesota for Powdery Mildew-Resistant Spring Wheat Variety

Wheat Marks Calyxt's Fourth Gene Edited Crop to Undergo Trials

MINNEAPOLIS & ST. PAUL, Minn.--(BUSINESS WIRE)--May 16, 2017--Calyxt, Inc., a Minnesota-based company developing healthier specialty food ingredients to benefit both consumers and farmers, today announced that the Company, under a service agreement with the University of Minnesota, has launched field trials in the U.S. for its gene edited powdery mildew-resistant spring wheat variety.

Under the agreement, the University of Minnesota has planted 1.7 kilograms of seeds at the University's St. Paul and Crookston research stations. Developed using Calyxt's proprietary TALEN[®] technology, the wheat is resistant to powdery mildew, a fungus that spreads widely throughout the world and is responsible for major grain and yield losses.

"As Calyxt is dedicated to bringing crops to market with healthier characteristics for consumers and growers, working with the University of Minnesota to plant the powdery mildew-resistant wheat brings us one step closer to making the goal a reality and allows us to see how the wheat will look under field conditions," said Federico Tripodi, Calyxt CEO. "Through altering one native gene in the crop, we are able to increase the productivity and profitability of farmers. With over 680 million metric tons of wheat that's produced annually globally, Calyxt is well-positioned to incorporate the mildew resistance trait into geographically suitable wheat varieties and commercialize this product in the near future."

In 2016, Calyxt received notice from the USDA's Animal and Plant Health Inspection Service that the Company's powdery mildew-resistant wheat variety is non-regulated, as no foreign DNA is contained in this powdery mildew-resistant spring wheat variety.

About Calyxt

Calyxt, Inc. is a consumer-centric, food- and agriculture-focused company. By combining its leading gene-editing technology and technical expertise with its innovative commercial strategy, Calyxt is pioneering a paradigm shift to deliver healthier food ingredients, such as healthier oils and high fiber wheat, for consumers and agriculturally advantageous crop traits, such as herbicide tolerance, for farmers. Calyxt is located in Minneapolis-St. Paul, Minn., and is a wholly owned subsidiary of Cellectis.

For further information please visit our website: $\underline{www.calyxt.com}$ CalyxtTM and the corporate logo are trademarks owned by Calyxt, Inc.

Talking about gene editing? We do it.

TALEN[®] is a registered trademark owned by the Cellectis Group.

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