CELYAD ONCOLOGY SA

FORM 6-K

(Report of Foreign Issuer Pursuant to Rule 13a-16 or 15d-16)

Filed 09/29/20 for the Period Ending 09/29/20

Telephone	32 10 394 100
CIK	0001637890
Symbol	CYAD
SIC Code	2834 - Pharmaceutical Preparations
Industry	Biotechnology & Medical Research
Sector	Healthcare
Fiscal Year	12/31

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 September 2020

Commission File Number: 001-37452

CELYAD ONCOLOGY SA

(Translation of registrant's name into English)

Rue Edouard Belin 2
1435 Mont-Saint-Guibert, Belgium
(Address of principal executive offices)

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): ☐

Celyad Oncology SA

On September 29, 2020, Celyad Oncology SA (the "Company") issued a press release announcing that the Company has entered into a Clinical Trial Collaboration and Supply Agreement (the "Collaboration Agreement") with MSD International GmbH, a subsidiary of Merck & Co., Inc. ("Merck"). Pursuant to the Collaboration Agreement, the Company will conduct the Phase 1b KEYNOTE-B79 clinical trial, which will evaluate the Company's investigational non-gene edited allogeneic CAR-T candidate, CYAD-101, following FOLFIRI (combination of 5-fluorouracil, leucovorin and irinotecan) preconditioning chemotherapy, with Merck's anti-PD-1 therapy, KEYTRUDA® (pembrolizumab) in refractory metastatic colorectal cancer patients with microsatellite stable, mismatch-repair proficient disease. The extent of the collaboration between the parties is limited to the drug supply support and execution of the clinical trial, each as described in the Collaboration Agreement.

A copy of the Company's press release is attached hereto as Exhibit 99.1, which is incorporated herein by reference.

The information contained in this Current Report on Form 6-K, including Exhibit 99.1, except for the quote of Filippo Petti contained in Exhibit 99.1, is hereby incorporated by reference into the Company's Registration Statements on Forms F-3 (File No. 333-248464) and S-8 (File No. 333-220737).

EXHIBITS

Exhibit	Description
99.1	Press release issued by the registrant on September 29, 2020

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.

CELYAD ONCOLOGY SA

Date: September 29, 2020

By: /s/ Filippo Petti
Filippo Petti
Chief Executive Officer and Financial Officer

Regulated Information
Inside Information

Celyad Oncology Announces Clinical Trial Collaboration to Evaluate CYAD-101 with KEYTRUDA® (pembrolizumab) in Patients with Microsatellite Stable mCRC

September 29, 2020 7:00 a.m. CEST

Mont-Saint-Guibert, Belgium – Celyad Oncology SA (Euronext & Nasdaq: CYAD), a clinical-stage biotechnology company focused on the discovery and development of chimeric antigen receptor T cell (CAR T) therapies for cancer, announced today that the Company has entered into a clinical trial collaboration with MSD, a tradename of Merck & Co., Inc., Kenilworth, NJ., USA, through a subsidiary.

Celyad Oncology will conduct the Phase 1b KEYNOTE-B79 clinical trial, which will evaluate Celyad Oncology's investigational non-gene edited allogeneic CAR T candidate, CYAD-101, following FOLFIRI (combination of 5-fluorouracil, leucovorin and irinotecan) preconditioning chemotherapy, with MSD's anti-PD-1 therapy, KEYTRUDA® (pembrolizumab) in refractory metastatic colorectal cancer (mCRC) patients with microsatellite stable (MSS) / mismatch-repair proficient (pMMR) disease.

"We are extremely pleased to enter into this clinical collaboration with MSD, as we believe the mechanism of actions of CYAD-101 and KEYTRUDA are highly complementary and could help to drive meaningful clinical benefit in patients with advanced metastatic colorectal cancer, in particular with microsatellite stable disease where a high unmet medical need exists" said Filippo Petti, Chief Executive Officer of Celyad Oncology. "In addition, the collaboration with MSD adds an important dimension to our clinical program for CYAD-101 for the treatment of mCRC and provides us with the opportunity to build upon the encouraging clinical activity we've reported to date from the ongoing alloSHRINK trial."

KEYTRUDA® is a registered trademark of Merck Sharp & Dohme Corp, a subsidiary of Merck & Co., Inc., Kenilworth, NJ, USA.

About CYAD-101

CYAD-101 is an investigational, non-gene edited, allogeneic (healthy donor derived) CAR T candidate engineered to co-express a chimeric antigen receptor based on NKG2D, a receptor expressed on natural killer (NK) cells that binds to eight stress-induced ligands and the novel inhibitory peptide TIM (TCR Inhibitory Molecule). The expression of TIM reduces signaling of the TCR complex, which is responsible for graft-versus host disease.

About Celyad Oncology

Celyad Oncology is a clinical-stage biotechnology company focused on the discovery and development of chimeric antigen receptor T cell (CAR T) therapies for cancer. The Company is developing a pipeline of allogeneic (off-the-shelf) and autologous (personalized) CAR T cell therapy candidates for the treatment of both hematological malignancies and solid tumors. Celyad Oncology was founded in 2007 and is based in Mont-Saint-Guibert, Belgium and New York, NY. The Company has received funding from the Walloon Region (Belgium) to support the advancement of its CAR T cell therapy programs. For more information, please visit www.celyad.com.

Forward-Looking Statement

This release may contain forward-looking statements, within the meaning of applicable securities laws, including the Private Securities Litigation Reform Act of 1995. Forward-looking statements may statements regarding: the timing and commencement of the Phase 1b KEYNOTE-B79 clinical trial and the benefits of the collaboration agreement with MSD. Forward-looking statements may involve known and unknown risks and uncertainties which might cause actual results, financial condition, performance or achievements of Celyad Oncology to differ materially from those expressed or implied by such forward-looking statements. Such risk and uncertainty includes the expected date of the Phase 1 trials initiations by year-end 2020, our development of additional shRNA-based allogenic candidates from our CYAD-200 series towards clinical trial, and the duration and severity of the COVID-19 pandemic and government measures implemented in response thereto. A further list and description of these risks, uncertainties and other risks can be found in Celyad Oncology's U.S. Securities and Exchange Commission (SEC) filings and reports, including in its Annual Report on Form 20-F filed with the SEC on March 25, 2020 and subsequent filings and reports by Celyad Oncology. These forward-looking statements speak only as of the date of publication of this document and Celyad Oncology's actual results may differ materially from those expressed or implied by these forward-looking statements. Celyad Oncology expressly disclaims any obligation to update any such forward-looking statements in this document to reflect any change in its expectations with regard thereto or any change in events, conditions or circumstances on which any such statement is based, unless required by law or regulation.

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Source: Celyad Oncology SA