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): October 15, 2020

ADAPTIMMUNE THERAPEUTICS PLC

(Exact name of registrant as specified in its charter)

England and Wales	**1-37368**	**Not Applicable**
(State or other jurisdiction of incorporation)	(Commission File Number)	(IRS Employer Identification No.)

60 Jubilee Avenue, Milton Park
Abingdon, Oxfordshire OX14 4RX
United Kingdom
(Address of principal executive offices, including zip code)

(44) 1235 430000
(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))

Securities registered pursuant to Section 12(b) of the Act:

Title of each class	**Trading Symbol**	**Name of each exchange on which registered**
American Depositary Shares, each representing 6 Ordinary Shares, par value £0.001 per share	ADAP	The Nasdaq Global Select Market

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 7.01 Regulation FD Disclosure.

On October 15, 2020, Adaptimmune Therapeutics plc issued a press release providing full contents of its Society for the Immunotherapy of Cancer (SITC) Abstract for its Phase 1 SURPASS Trial. The press release is furnished as Exhibit 99.1 and is incorporated by reference herein.

The information in this Item 7.01, 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 in any filing under the Securities Act of 1933, as amended, or the Exchange Act, except as expressly set forth by specific reference in such filing.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits.

Exhibit No.	Description of Exhibit
99.1	Press release dated October 15, 2020
104	Cover Page Interactive Date File (embedded within the Inline XBRL document)

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, as amended, the registrant has duly caused this report to be signed on its behalf by the undersigned, hereunto duly authorized.

ADAPTIMMUNE THERAPEUTICS PLC

Date: October 15, 2020

By: /s/ Margaret Henry
Name: Margaret Henry
Title: Corporate Secretary

Exhibit 99.1

Adaptimmune Provides Full Contents of its SITC Abstract for the Phase 1 SURPASS Trial

PHILADELPHIA, Pa. and OXFORDSHIRE, UK., October 15, 2020 — Adaptimmune Therapeutics plc ("Adaptimmune") (Nasdaq: ADAP), a leader in cell therapy to treat cancer is aware of the early release of the abstract entitled "Initial safety, efficacy, and product attributes from the SURPASS trial withADP-A2M4CD8, a SPEAR T-cell therapy incorporating an affinity optimized TCR targeting MAGE-A4 and a CD8α co-receptor" by the Society for the Immunotherapy of Cancer ("SITC") Conference.

The full abstract is attached to this release.

The Company will update on the full dose escalation cohort of the SURPASS trial (6 patients in total) at the virtual SITC conference on November 11, 2020 at 9 AM EST when posters are made available online.

About Adaptimmune

Adaptimmune is a clinical-stage biopharmaceutical company focused on the development of novel cancer immunotherapy products for people with cancer. The Company's unique SPEAR® (Specific Peptide Enhanced Affinity Receptor) T-cell platform enables the engineering of T-cells to target and destroy cancer across multiple solid tumors.

Forward-Looking Statements

This release contains "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995 (PSLRA). These forward-looking statements involve certain risks and uncertainties. Such risks and uncertainties could cause our actual results to differ materially from those indicated by such forward-looking statements, and include, without limitation: the success, cost and timing of our product development activities and clinical trials and our ability to successfully advance our TCR therapeutic candidates through the regulatory and commercialization processes. For a further description of the risks and uncertainties that could cause our actual results to differ materially from those expressed in these forward-looking statements, as well as risks relating to our business in general, we refer you to our Quarterly Report on Form 10-Q filed with the SEC on August 6, 2020, and our other SEC filings. The forward-looking statements contained in this press release speak only as of the date the statements were made and we do not undertake any obligation to update such forward-looking statements to reflect subsequent events or circumstances.

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SITC Abstract

Title: Initial safety, efficacy, and product attributes from the SURPASS trial withADP-A2M4CD8, a SPEAR T-cell therapy incorporating an affinity optimized TCRtargeting MAGE-A4 and a CD8α co-receptor

Authors: David S. Hong[1], Jeffrey Clarke[2], Tanner Johanns[3], Partow Kebriaei[1], John V. Heymach[1], Ahmed Galal[2], Samuel D. Saibil[4], Adrian Sacher[4], Francine E. Brophy[5], Gareth Betts[6], Natalie Bath[6], Will Spinner[6], Alex Tipping[6], Jessica Tucci[5], Raymond Luke[5], Trupti Trivedi[5], Quan Lin[5], Jean-Marc Navenot[5], Paula M. Fracasso[5], Karen Miller[6], Elliot Norry[5], Mark Dudley[5], Marcus O. Butler[4]

Affiliations (Institution, City, State, Country):

[1]The University of Texas MD Anderson Cancer Center, Houston, TX, United States of America,[2]Duke Cancer Center, Durham, NC, United States of America,[3]Washington University School of Medicine, St. Louis, MO, United States of America,[4]Princess Margaret Cancer Centre, Toronto, Ontario, Canada, [5]Adaptimmune, Philadelphia, PA, United States of America, [6]Adaptimmune, Abingdon, United Kingdom

***Abstract Body*:**

Background: The ongoing SURPASS trial (NCT04044859) evaluates safety and efficacy of next-generation ADP-A2M4CD8 SPEAR T-cells co-expressing the CD8α co-receptor with the engineered MAGE-A4^{c1032} T-cell receptor (TCR).

Methods: First-in-human trial in HLA-A*02 positive patients (pts) with advanced cancers expressing MAGE-A4 antigenby immunohistochemistry. Eligible pts undergo apheresis, T-cells are isolated, transduced with a Lentiviral vector containing the MAGE-A4^{c1032} TCR and CD8α co-receptor, and expanded. Expansion, transduction level, cellular composition and function of the manufactured product (MP) are assessed *in vitro*. Prior to infusion, pts receive lymphodepletion with fludarabine 30 mg/m^2/day for 4 days and cyclophosphamide 600 mg/m^2/day for 3 days.

Results: As of 16 July 2020, 5 pts (1 with MRCLS, 2 with esophagogastric junction [EGJ] cancers, 1 with ovarian cancer, and 1 with head and neck cancer) were treated with ADP-A2M4 CD8 (range ~1 to 5.7 billion transduced cells). No DLTs or SAEs have been reported. To date, 1 pt with EGJ cancer had a partial response (PR per RECIST) and has had progression-free survival >6 months. One pt with head and neck cancer also had a PR. All other pts have had best overall response of stable disease.

MP expanded by an average of 15.3-fold during manufacturing (range 5.9 to 25.6-fold). On average, 43% of T-cells in the MP expressed the TCR (range 23 to 63%). The fraction of CD4$^+$ cells in the final MP varied (range 45 to 84%).Co-expression of the MAGE-A4 TCR and CD8α in CD4$^+$ T-cells in the patient MP enabled CD4$^+$ T-cells to kill tumor target cells directly *in vitro*. MAGE-A4 expression in tumor biopsies varied (H-score range 55 to 300). Transduced T-cells were detected in peripheral blood of all pts. IFN-gamma increased transiently in the serum of 1 pt who responded.

Conclusions: ADP-A2M4CD8 SPEAR T-cells have shown an acceptable safety profile and pts with EGJ cancer and head and neck cancer have demonstrated evidence of antitumor activity. Translational data and early clinical results indicate that co-expression of the CD8α co-receptor on CD4$^+$ SPEAR T-cells may increase the potency of the product by conferring additional killing activity to the helper T-cell subset. This dose escalation trial is ongoing and updated clinical and translational data will be presented.