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): November 7, 2022

Alaunos Therapeutics, Inc.
(Exact name of registrant as specified in its charter)

Delaware	**001-33038**	**84-1475642**
(State or other jurisdiction of incorporation)	**(Commission File Number)**	**(IRS Employer Identification No.)**

8030 El Rio Street
Houston, TX 77054
(Address of principal executive offices, including zip code)

(346) 355-4099
(Registrant's telephone number, including area code)

Not applicable
(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))

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

Title of each class	Trading Symbol(s)	Name of each exchange on which registered
Common Stock, par value $0.001 per share	**TCRT**	**The Nasdaq Stock Market LLC**

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 November 7, 2022, Alaunos Therapeutics, Inc. (the "Company") issued a press release announcing a poster presentation at the Society for Immunotherapy of Cancer's (SITC) 37th Annual Meeting highlighting the Company's hunTR TCR Discovery Platform. A copy of the press release is furnished as Exhibit 99.1 to this Current Report on Form 8-K and is incorporated herein by reference.

The information contained in this Item 7.01, including Exhibit 99.1, is being "furnished" and 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 liability of that Section or Sections 11 and 12(a)(2) of the Securities Act of 1933, as amended (the "Securities Act"). The information contained in this Item 7.01, including Exhibit 99.1, shall not be incorporated by reference into any registration statement or other document pursuant to the Securities Act or into any filing or other document pursuant to the Exchange Act, except as otherwise expressly stated in any such filing.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits.

Exhibit No.	Description
99.1	Press Release, dated November 7, 2022.
104	Cover Page Interactive Data File (embedded within the Inline XBRL document).

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.

Alaunos Therapeutics, Inc.

Date. November 7, 2022

By: /s/ Melinda Lackey
Name: Melinda Lackey
Title: Senior Vice President, Legal

Alaunos Therapeutics to Present Data Highlighting its hunTR™ TCR Discovery Platform at the Society for Immunotherapy of Cancer 2022 Annual Meeting

- *Data supports high-throughput screening process to identify neoantigen-reactive TCRs*
- *Exclusive ownership of discovered KRAS mutation-reactive TCRs*
- *hunTR enables expansion of the Company's hotspot mutation targeted TCR library*

HOUSTON, November 7, 2022 – Alaunos Therapeutics, Inc. ("Alaunos" or the "Company") (Nasdaq: TCRT), a clinical-stage oncology-focused cell therapy company today announced a poster presentation highlighting the potential of the Company's human neoantigen T-cell receptor platform (hunTR) to expand its TCR Library. The data will be presented at the Society for Immunotherapy of Cancer's (SITC) 37th Annual Meeting in Boston, Massachusetts from November 8-12, 2022.

"We are excited to present data demonstrating the ability of our proprietary hunTR platform to rapidly identify and validate neoantigen-reactive TCRs," commented Drew Deniger, Ph.D., Vice President, Research & Development. "By leveraging hunTR, our aim is to efficiently expand our TCR-T Library Phase 1/2 program with new, proprietary TCRs. This will enable us to broaden the pool of eligible patients who could benefit from our non-viral TCR-T cell therapies. We look forward to expanding our application of hunTR™ for additional shared *KRAS*, *TP53*, and *EGFR* mutations and rapidly take novel TCR candidates from the lab through to clinical translation."

Details for the presentation are as follows:

Title: hunTR™: a hyperplex platform for the discovery of neoantigen-reactive T-cell receptors
Presenter: Guowei Gu, PhD, PharmD, Sr. Scientist, Translational Sciences, Alaunos Therapeutics
Date/Time: Thursday, November 10, 2022, 10:40am – 1:10pm ET and 7:30pm – 9:00 pm ET
Location: Boston Convention & Exhibition Center, Hall C
Abstract Number: 227

hunTR is a high-throughput screening process that uses state-of-the-art bioinformatics and next generation sequencing to interrogate and deconvolute thousands of single T cells simultaneously. In the study, Alaunos evaluated ~525,000 TCR+HLA+neoantigen combinations in nine patients across colorectal, endometrial and breast cancers. All patients screened had at least one detectable neoantigen-reactive TCR, including one shared KRAS-Q61H mutation and 21 personal mutations. Of these, 78% were restricted by HLA Class II while 22% were restricted by HLA Class I. A median reactive hit rate of 13% was achieved per patient with an average of three unique neoantigen specificities. In subsequent patients screened only for KRAS mutations, multiple patients had TCRs reactive to KRAS-G12V, further demonstrating the ability of hunTR to discover exclusively owned hotspot mutation-reactive TCRs that could be added to the clinical library. The Company plans to continue to expand the application of hunTR to screen for additional shared *KRAS*, *TP53*, and *EGFR* mutations to rapidly advance new TCR library candidates from the lab through to clinical translation. In addition, hunTR may be suitable for personalized TCR-T therapies, enabling mutation-targeted cell therapy for most solid tumor cancers.

About Alaunos Therapeutics

Alaunos is a clinical-stage oncology-focused cell therapy company, focused on developing T-cell receptor (TCR) therapies based on its proprietary, non-viral *Sleeping Beauty* gene transfer technology and its TCR library targeting shared tumor-specific hotspot mutations in key oncogenic genes including *KRAS*, *TP53* and *EGFR*. The Company has a clinical and strategic collaboration with the National Cancer Institute. For more information, please visit www.alaunos.com.

Forward-Looking Statements Disclaimer

This press release contains forward-looking statements as defined in the Private Securities Litigation Reform Act of 1995, as amended. Forward-looking statements are statements that are not historical facts, and in some cases can be identified by terms such as “may,” “will,” “could,” “expects,” “plans,” “anticipates,” “believes” or other words or terms of similar meaning. These statements include, but are not limited to, statements regarding the Company’s business and strategic plans, the anticipated outcome of preclinical and clinical studies by the Company or its third-party collaborators, the Company’s manufacturing capabilities and the timing of the Company’s research and development programs, including the expected timeline for enrolling and dosing patients and the timing and forums for announcing data from the Company’s clinical trials. Although the management team of Alaunos believes that the expectations reflected in such forward-looking statements are reasonable, investors are cautioned that forward-looking information and statements are subject to various risks and uncertainties, many of which are difficult to predict and generally beyond the control of Alaunos, that could cause actual results and developments to differ materially from those expressed in, or implied or projected by, the forward-looking information and statements. These risks and uncertainties include, among other things, changes in the Company’s operating plans that may impact its cash expenditures; the uncertainties inherent in research and development, future clinical data and analysis, including whether any of Alaunos’ product candidates will advance further in the preclinical research or clinical trial process, including receiving clearance from the U.S. Food and Drug Administration or equivalent foreign regulatory agencies to conduct clinical trials and whether and when, if at all, they will receive final approval from the U.S. Food and Drug Administration or equivalent foreign regulatory agencies and for which indication; the strength and enforceability of Alaunos’ intellectual property rights; and competition from other pharmaceutical and biotechnology companies as well as risk factors discussed or identified in the public filings with the Securities and Exchange Commission made by Alaunos, including those risks and uncertainties listed in the most recent periodic report filed by Alaunos with the Securities and Exchange Commission. Alaunos is providing this information as of the date of this press release, and Alaunos does not undertake any obligation to update or revise the information contained in this press release whether as a result of new information, future events, or any other reason.

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