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**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION**  
Washington, D.C. 20549

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**SCHEDULE 13G**

Under the Securities Exchange Act of 1934  
(Amendment No. 4)\*

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**Alaunos Therapeutics, Inc.**  
(Name of Issuer)

Common Stock, \$0.001 par value per share  
(Title of Class of Securities)

**98973P309**  
(CUSIP Number)

**September 30, 2024**  
(Date of Event Which Requires Filing of this Statement)

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Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- Rule 13d-1(b)
- Rule 13d-1(c)
- Rule 13d-1(d)

\* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

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1	NAMES OF REPORTING PERSONS	
	MSD Partners, L.P.	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS) (a) <input checked="" type="checkbox"/> (b) <input type="checkbox"/>	
3	SEC USE ONLY	
4	CITIZENSHIP OR PLACE OF ORGANIZATION	
	Delaware	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5	SOLE VOTING POWER  - 0 -
	6	SHARED VOTING POWER  101,010
	7	SOLE DISPOSITIVE POWER  - 0 -
	8	SHARED DISPOSITIVE POWER  101,010
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  101,010	
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)  <input type="checkbox"/>	
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)  6.3% (1)	
12	TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)  PN	

- (1) The percentages used herein are calculated based upon 1,601,252 shares of the issuer's common stock outstanding as of August 13, 2024, as reported in the issuer's Quarterly Report on Form 10-Q filed with the Securities and Exchange Commission on August 14, 2024.

1	NAMES OF REPORTING PERSONS MSD Credit Opportunity Master Fund, L.P.	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS) (a) <input checked="" type="checkbox"/> (b) <input type="checkbox"/>	
3	SEC USE ONLY	
4	CITIZENSHIP OR PLACE OF ORGANIZATION Cayman Islands	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5	SOLE VOTING POWER - 0 -
	6	SHARED VOTING POWER 101,010
	7	SOLE DISPOSITIVE POWER - 0 -
	8	SHARED DISPOSITIVE POWER 101,010
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 101,010	
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS) <input type="checkbox"/>	
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 6.3% (1)	
12	TYPE OF REPORTING PERSON (SEE INSTRUCTIONS) PN	

- (1) The percentages used herein are calculated based upon 1,601,252 shares of the issuer's common stock outstanding as of August 13, 2024, as reported in the issuer's Quarterly Report on Form 10-Q filed with the Securities and Exchange Commission on August 14, 2024.

1	NAMES OF REPORTING PERSONS Gregg R. Lemkau	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS) (a) <input checked="" type="checkbox"/> (b) <input type="checkbox"/>	
3	SEC USE ONLY	
4	CITIZENSHIP OR PLACE OF ORGANIZATION United States	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5	SOLE VOTING POWER - 0 -
	6	SHARED VOTING POWER 101,010
	7	SOLE DISPOSITIVE POWER - 0 -
	8	SHARED DISPOSITIVE POWER 101,010
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 101,010	
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS) <input type="checkbox"/>	
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 6.3% (1)	
12	TYPE OF REPORTING PERSON (SEE INSTRUCTIONS) IN	

- (1) The percentages used herein are calculated based upon 1,601,252 shares of the issuer's common stock outstanding as of August 13, 2024, as reported in the issuer's Quarterly Report on Form 10-Q filed with the Securities and Exchange Commission on August 14, 2024.

**Item 1(a) Name of Issuer:**

The name of the issuer is Alaunos Therapeutics, Inc. (the “Company”).

**Item 1(b) Address of Issuer’s Principal Executive Offices:**

The Company’s principal executive office is located at 2617 Bissonnet Street, Suite 225 Houston, TX 77005.

**Item 2(a) Name of Person Filing:**

This Schedule 13G is being jointly filed by and on behalf of each of MSD Partners, L.P. (“MSD Partners”), MSD Credit Opportunity Master Fund, L.P. (“MSD Credit Opportunity Master Fund”) and Gregg R. Lemkau. MSD Credit Opportunity Master Fund is the direct owner of the securities covered by this statement.

MSD Partners is the investment manager of, and may be deemed to beneficially own securities beneficially owned by, MSD Credit Opportunity Master Fund. MSD Partners (GP), LLC (“MSD GP”) is the general partner of, and may be deemed to beneficially own securities beneficially owned by, MSD Partners. Gregg R. Lemkau maintains investment discretion over this investment and therefore may be deemed to beneficially own securities beneficially owned by MSD GP.

The Reporting Persons have entered into a Joint Filing Agreement, dated November 14, 2024, a copy of which is filed with this filing as Exhibit 99.1, pursuant to which the Reporting Persons have agreed to file this statement jointly in accordance with the provisions of Rule 13d-1(k)(1) under the Act.

Neither the filing of this statement nor anything herein shall be construed as an admission that any person other than the Reporting Persons is, for the purposes of Section 13(d) or 13(g) of the Act or any other purpose, the beneficial owner of any securities covered by this statement.

**Item 2(b) Address of Principal Business Office or, if none, Residence:**

The address of the principal business office of MSD Partners, MSD Credit Opportunity Master Fund and Mr. Lemkau is One Vanderbilt Avenue, 26th Floor, New York, New York 10017.

**Item 2(c) Citizenship:**

MSD Partners is organized as a limited partnership under the laws of the State of Delaware. MSD Credit Opportunity Master Fund is a limited partnership organized under the laws of the Cayman Islands. Mr. Lemkau is a United States citizen.

**Item 2(d) Title of Class of Securities:**

Common Stock, par value \$0.001 per share

**Item 2(e) CUSIP No.:**

98973P309

**Item 3 If this statement is filed pursuant to §§240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a:**

Not applicable.

**Item 4**      **Ownership:**

The following ownership reflects the Company's reverse stock split that occurred on January 31, 2024.

**A.    MSD Partners, L.P.**

- (a) Amount beneficially owned: 101,010
- (b) Percent of class: 6.3%
- (c) Number of shares as to which such person has:
  - (i) Sole power to vote or direct the vote: -0-
  - (ii) Shared power to vote or direct the vote: 101,010
  - (iii) Sole power to dispose or direct the disposition: -0-
  - (iv) Shared power to dispose or direct the disposition: 101,010

**B.    MSD Credit Opportunity Master Fund, L.P.**

- (a) Amount beneficially owned: 101,010
- (b) Percent of class: 6.3%
- (c) Number of shares as to which such person has:
  - (i) Sole power to vote or direct the vote: -0-
  - (ii) Shared power to vote or direct the vote: 101,010
  - (iii) Sole power to dispose or direct the disposition: -0-
  - (iv) Shared power to dispose or direct the disposition: 101,010

**C.    MSD Partners (GP), LLC**

- (a) Amount beneficially owned: 101,010
- (b) Percent of class: 6.3%
- (c) Number of shares as to which such person has:
  - (i) Sole power to vote or direct the vote: -0-
  - (ii) Shared power to vote or direct the vote: 101,010
  - (iii) Sole power to dispose or direct the disposition: -0-
  - (iv) Shared power to dispose or direct the disposition: 101,010

**D. Gregg R. Lemkau**

- (a) Amount beneficially owned: 101,010
- (b) Percent of class: 6.3%
- (c) Number of shares as to which such person has:
  - (i) Sole power to vote or direct the vote: -0-
  - (ii) Shared power to vote or direct the vote: 101,010
  - (iii) Sole power to dispose or direct the disposition: -0-
  - (iv) Shared power to dispose or direct the disposition: 101,010

**Item 5 Ownership of Five Percent or Less of a Class:**

If this statement is being filed to report the fact that as of the date hereof each of the Reporting Persons has ceased to be the beneficial owner of more than five percent of the class of securities, check the following .

**Item 6 Ownership of More Than Five Percent on Behalf of Another Person:**

Not applicable.

**Item 7 Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company or Control Person:**

Not applicable.

**Item 8 Identification and Classification of Members of the Group:**

Not applicable.

**Item 9 Notice of Dissolution of Group:**

Not applicable.

**Item 10 Certification:**

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect, other than activities solely in connection with a nomination under § 240.14a-11.

**SIGNATURE**

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Date: November 14, 2024

**MSD Partners, L.P.**

By: MSD Partners (GP), LLC  
Its: General Partner

By: /s/ Robert K. Simonds  
Name: Robert K. Simonds  
Title: Authorized Signatory

**MSD Credit Opportunity Master Fund, L.P.**

By: MSD Partners, L.P.  
Its: Investment Manager

By: MSD Partners (GP), LLC  
Its: General Partner

By: /s/ Robert K. Simonds  
Name: Robert K. Simonds  
Title: Authorized Signatory

**Gregg R. Lemkau**

By: /s/ Gregg R. Lemkau  
Name: Gregg R. Lemkau



**EXHIBIT INDEX**

<u>Exhibit</u>	<u>Description of Exhibit</u>
99.1	Joint Filing Agreement dated November 14, 2024

CUSIP No: 98973P309

**AGREEMENT REGARDING THE JOINT FILING OF SCHEDULE 13G**

The undersigned hereby agree as follows:

(i) Each of them is individually eligible to use the Schedule 13G to which this Exhibit is attached, and such Schedule 13G is filed on behalf of each of them; and

(ii) Each of them is responsible for the timely filing of such Schedule 13G and any amendments thereto, and for the completeness and accuracy of the information concerning such person contained therein; but none of them is responsible for the completeness or accuracy of the information concerning the other persons making the filing, unless such person knows or has reason to believe that such information is inaccurate.

Date: November 14, 2024

**MSD Partners, L.P.**

By: MSD Partners (GP), LLC  
Its: General Partner

By: /s/ Robert K. Simonds  
Name: Robert K. Simonds  
Title: Authorized Signatory

**MSD Credit Opportunity Master Fund, L.P.**

By: MSD Partners, L.P.  
Its: Investment Manager

By: MSD Partners (GP), LLC  
Its: General Partner

By: /s/ Robert K. Simonds  
Name: Robert K. Simonds  
Title: Authorized Signatory

**Gregg R. Lemkau**

By: /s/ Gregg R. Lemkau  
Name: Gregg R. Lemkau