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

SCHEDULE 13D

UNDER THE SECURITIES EXCHANGE ACT OF 1934  
(Amendment No. 16)\*

Cartesian Therapeutics, Inc.  
(Name of Issuer)

Common Stock, \$0.0001 par value per share  
(Title of Class of Securities)

816212302  
(CUSIP Number)

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(Name, Address and Telephone Number of Person Authorized to Receive Notices and Communications)

October 2, 2024  
(Date of Event which Requires Filing of this Statement)

If the filing person has previously filed a statement on Schedule 13G to report the acquisition that is the subject of this Schedule 13D, and is filing this schedule because of §§240.13d-1(e), 240.13d-1(f) or 240.13d-1(g), check the following box.

**Note:** Schedules filed in paper format shall include a signed original and five copies of the schedule, including all exhibits. See §240.13d-7 for other parties to whom copies are sent.

\* 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 disclosures provided in a prior cover page.

The information required on 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. Timothy A. Springer	
2.	Check the Appropriate Box if a Member of a Group (See Instructions) (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
3.	SEC Use Only	
4.	Source of Funds (See Instructions) PF, WC	
5.	Check if Disclosure of Legal Proceedings Is Required Pursuant to Items 2(d) or 2(e)	
6.	Citizenship or Place of Organization United States	
Number of Shares Beneficially Owned by Each Reporting Person With	7.	Sole Voting Power 9,047,688 shares
	8.	Shared Voting Power 0 shares
	9.	Sole Dispositive Power 9,047,688 shares
	10.	Shared Dispositive Power 0 shares
11.	Aggregate Amount Beneficially Owned by Each Reporting Person 9,047,688 shares	
12.	Check if the Aggregate Amount in Row (11) Excludes Certain Shares (See Instructions)	
13.	Percent of Class Represented by Amount in Row (11) 37.6%	
14.	Type of Reporting Person (See Instructions) IN, OO	

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1.	Names of Reporting Persons. TAS Partners LLC		
2.	Check the Appropriate Box if a Member of a Group (See Instructions) (a) <input type="checkbox"/> (b) <input type="checkbox"/>		
3.	SEC Use Only		
4.	Source of Funds (See Instructions) OO		
5.	Check if Disclosure of Legal Proceedings Is Required Pursuant to Items 2(d) or 2(e)		
6.	Citizenship or Place of Organization Delaware		
Number of Shares Beneficially Owned by Each Reporting Person With	7.	Sole Voting Power 563,206 shares	
	8.	Shared Voting Power 0 shares	
	9.	Sole Dispositive Power 563,206 shares	
	10.	Shared Dispositive Power 0 shares	
11.	Aggregate Amount Beneficially Owned by Each Reporting Person 563,206 shares		
12.	Check if the Aggregate Amount in Row (11) Excludes Certain Shares (See Instructions)		
13.	Percent of Class Represented by Amount in Row (11) 2.4%		
14.	Type of Reporting Person (See Instructions) OO		

1.	Names of Reporting Persons. Chafen Lu		
2.	Check the Appropriate Box if a Member of a Group (See Instructions) (a) <input type="checkbox"/> (b) <input type="checkbox"/>		
3.	SEC Use Only		
4.	Source of Funds (See Instructions) PF		
5.	Check if Disclosure of Legal Proceedings Is Required Pursuant to Items 2(d) or 2(e)		
6.	Citizenship or Place of Organization United States		
Number of Shares Beneficially Owned by Each Reporting Person With	7.	Sole Voting Power 350,740 shares	
	8.	Shared Voting Power 0 shares	
	9.	Sole Dispositive Power 350,740 shares	
	10.	Shared Dispositive Power 0 shares	
11.	Aggregate Amount Beneficially Owned by Each Reporting Person 350,740 shares		
12.	Check if the Aggregate Amount in Row (11) Excludes Certain Shares (See Instructions)		
13.	Percent of Class Represented by Amount in Row (11) 1.5%		
14.	Type of Reporting Person (See Instructions) IN, OO		

This Amendment No. 16 to the statement on Schedule 13D (this “Statement”) with respect to the shares of common stock, par value \$0.0001 per share (the “Shares”), of Cartesian Therapeutics, Inc. (formerly known as Selecta Biosciences, Inc.), a Delaware corporation (the “Issuer”), originally filed by Timothy A. Springer (“Dr. Springer”), TAS Partners LLC (“TAS”), Chafen Lu (“Dr. Lu” and, collectively with Dr. Springer and TAS, the “Reporting Persons”) and Leukon Investments, LP (“Leukon”) filed on March 27, 2019, as amended by Amendment No. 1 filed on August 23, 2019, Amendment No. 2 filed on September 16, 2019, Amendment No. 3 filed on December 17, 2019, Amendment No. 4 filed on January 2, 2020, Amendment No. 5 filed on October 15, 2020, Amendment No. 6 filed on October 23, 2020, Amendment No. 7 filed on May 27, 2021, Amendment No. 8 filed on December 15, 2021, Amendment No. 9 filed on December 27, 2021, Amendment No. 10 filed on September 25, 2023, Amendment No. 11 filed on November 17, 2023, Amendment No. 12 filed on March 28, 2024, Amendment No. 13 filed on April 12, 2024, Amendment No. 14 filed on July 5, 2024 and Amendment No. 15 filed on September 27, 2024 (such statement and amendments, as further amended herein, the “Schedule 13D”), amends the Schedule 13D as set forth below.

All capitalized terms contained herein but not otherwise defined shall have the meanings ascribed to such terms in the Schedule 13D. Except as specifically amended by this Amendment No. 16, items in the Schedule 13D are unchanged.

Item 3. Source and Amount of Funds or Other Consideration.

Item 3 of the Schedule 13D is hereby amended to be supplemented by the following:

On October 2, 2024, TAS distributed an aggregate of 2,119,193 Shares and 133,632 warrants held by it to Dr. Springer and Dr. Lu. TAS distributed 1,801,314 Shares and 113,587 warrants to Dr. Springer and 317,879 Shares and 20,045 warrants to Dr. Lu.

In open market purchases on October 2, 2024, Dr. Springer acquired an aggregate of 5,514 Shares at prices ranging from \$17.17 to \$17.50 per share for an aggregate purchase price of approximately \$95,821. Dr. Springer used personal funds for such acquisitions.

In open market purchases on October 3, 2024, Dr. Springer acquired an aggregate of 119,906 Shares at prices ranging from \$17.76 to \$22.00 per share for an aggregate purchase price of approximately \$2,384,711. Dr. Springer used personal funds for such acquisitions.

In open market purchases on October 4, 2024, Dr. Springer acquired an aggregate of 80,301 Shares at prices ranging from \$20.87 to \$24.00 per share for an aggregate purchase price of approximately \$1,813,010. Dr. Springer used personal funds for such acquisitions.

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Item 5. Interest in Securities of the Issuer.

Item 5 of Schedule 13D is hereby amended and restated in full as follows:

The information set forth under Item 3 and the cover page of the Schedule 13D is incorporated herein by reference into this Item 5.

(a) The percentages of beneficial ownership reported in this Item 5, and on each Reporting Person's cover page to this Statement, are based on a total of 23,893,525 Shares issued and outstanding as of September 25, 2024, as reported on the Issuer's Current Report on Form 8-K, dated September 26, 2024. All of the Share numbers reported below, and on each Reporting Person's cover page to this Statement, are as of October 4, 2024.

The Reporting Persons, in the aggregate, beneficially own 9,047,688 Shares, representing approximately 37.6% of such class of securities.

Dr. Springer is the beneficial owner of a total of 9,047,688 Shares, representing approximately 37.6% of the outstanding Shares and consisting of (i) 8,017,833 Shares held directly, (ii) 113,587 Shares underlying warrants exercisable within 60 days of October 4, 2024 held directly, (iii) 2,322 Shares issuable upon exercise of outstanding options exercisable within 60 days of October 4, 2024, (iv) 529,798 Shares held by TAS, (v) 33,408 Shares underlying warrants exercisable within 60 days of October 4, 2024 held by TAS, (vi) 330,695 Shares held by Dr. Lu and (vii) 20,045 Shares underlying warrants exercisable within 60 days of October 4, 2024 held by Dr. Lu.

TAS is the beneficial owner of a total of 563,206 Shares, representing approximately 2.4% of the outstanding Shares and consisting of (i) 529,798 Shares and (ii) 33,408 Shares underlying warrants exercisable within 60 days of October 4, 2024. TAS holds all such Shares directly. Dr. Springer is the sole managing member of TAS.

Dr. Lu is the beneficial owner of a total of 350,740 Shares, representing approximately 1.5% of the outstanding Shares and consisting of (i) 330,695 Shares held directly and (ii) 20,045 Shares underlying warrants exercisable within 60 days of October 4, 2024 held directly. Dr. Lu is the spouse of Dr. Springer.

(b) Dr. Springer exercises sole voting and dispositive power over the Shares held by him directly and the Shares held by TAS. Dr. Springer disclaims beneficial ownership of the Shares held by TAS, except to the extent of his pecuniary interest therein. Dr. Lu exercises sole voting and dispositive power over the Shares held by her directly.

(c) The Reporting Persons have not engaged in any transactions with respect to the Shares during the 60 days before the date of this filing, except as described herein and in Item 3 of Schedule 13D.

(d) No person other than the Reporting Persons is known to have the right to receive or the power to direct the receipt of dividends from, or the proceeds from the sale of, the Shares.

(e) Not applicable.

*[signature page follows]*

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SIGNATURES

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: October 4, 2024

/s/ Timothy A. Springer

Timothy A. Springer

/s/ Chafen Lu

Chafen Lu

TAS Partners LLC

By: /s/ Timothy A. Springer

Name: Timothy A. Springer

Title: Manager

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