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**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION**  
Washington, DC 20549

**SCHEDULE 13G**

Under the Securities Exchange Act of 1934  
(Amendment No. 2)\*

**Cogent Biosciences, Inc.**

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(Name of Issuer)

**Common Stock, \$0.001 par value per share**

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(Title of Class of Securities)

**19240Q201**

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(CUSIP Number)

**December 31, 2022**

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(Date of Event Which Requires Filing of this Statement)

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	NAME OF REPORTING PERSONS Commodore Capital LP	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
3	SEC USE ONLY	
4	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware, USA	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5	SOLE VOTING POWER 0
	6	SHARED VOTING POWER 4,926,000*
	7	SOLE DISPOSITIVE POWER 0
	8	SHARED DISPOSITIVE POWER 4,926,000*
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 4,926,000*	
10	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES <input type="checkbox"/>	
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 7.0%*	
12	TYPE OF REPORTING PERSON IA	

\*See Item 4 for additional information.

1	NAME OF REPORTING PERSONS Commodore Capital Master LP	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input 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 4,926,000*
	7	SOLE DISPOSITIVE POWER 0
	8	SHARED DISPOSITIVE POWER 4,926,000*
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 4,926,000*	
10	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES <input type="checkbox"/>	
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 7.0%*	
12	TYPE OF REPORTING PERSON OO	

\*See Item 4 for additional information.

CUSIP No. 19240Q201

SCHEDULE 13G

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

Cogent Biosciences, Inc. (the "Issuer")

**Item 1. (b) Address of Issuer's Principal Executive Offices**

275 Wyman Street, 3rd Floor Waltham, MA 02451

**Item 2. (a, b, c) Names of Person Filing, Address of Principal Business Office, Citizenship:**

This report on Schedule 13G is being filed by Commodore Capital LP, a Delaware limited partnership (the "Firm") and Commodore Capital Master LP, a Cayman Islands exempted limited partnership ("Commodore Master"). The address for the Firm and Commodore Master is: 444 Madison Avenue, Floor 35, New York, New York 10022.

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

Common Stock, \$0.001 par value per share (the "Common Stock")

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

19240Q201

**Item 3. If this statement is filed pursuant to Rule 13d-1(b), or 13d-2(b) or (c), Check Whether the Person filing is a:**

N/A

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**Item 4. Ownership**

As reported in the cover pages to this report, the ownership information with respect to the Firm is as follows:

- (a) Amount Beneficially Owned: 4,926,000\*
- (b) Percent of Class: 7.0%\*
- (c) Number of Shares as to which such person has:
  - (i) Sole power to vote or to direct the vote: 0
  - (ii) Shared power to vote or to direct the vote: 4,926,000\*
  - (iii) Sole power to dispose or to direct the disposition of: 0
  - (iv) Shared power to dispose or to direct the disposition of: 4,926,000\*

As reported in the cover pages to this report, the ownership information with respect to Commodore Master is as follows:

- (a) Amount Beneficially Owned: 4,926,000\*
- (b) Percent of Class: 7.0%\*
- (c) Number of Shares as to which such person has:
  - (i) Sole power to vote or to direct the vote: 0
  - (ii) Shared power to vote or to direct the vote: 4,926,000\*
  - (iii) Sole power to dispose or to direct the disposition of: 0
  - (iv) Shared power to dispose or to direct the disposition of: 4,926,000\*

\*The Firm is the investment manager to Commodore Master. As of December 31, 2022, the Firm may be deemed to beneficially own an aggregate of 4,926,000 shares of Common Stock of the Issuer, consisting of (i) 4,319,940 shares of Common Stock and (ii) 606,060 shares of Common Stock underlying a warrant, which is subject to a beneficial ownership limitation of 9.99%. The Firm, as the investment manager to Commodore Master, may be deemed to beneficially own these securities. Michael Kramarz and Robert Egen Atkinson are the managing partners of the Firm and exercise investment discretion with respect to these securities. Ownership percentages are based on 69,893,434 shares of Common Stock reported as issued and outstanding in the Issuer's Quarterly Report on Form 10-Q filed with the Securities and Exchange Commission on November 14, 2022.

**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 the reporting person 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.

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**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.

**Exhibit Index**

1. [Joint Filing Agreement dated as of November 2, 2021, by and between Commodore Capital LP and Commodore Capital Master LP \(incorporated by reference to Exhibit 1 to the Schedule 13G filed with the Securities and Exchange Commission on November 4, 2021\).](#)
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CUSIP No. 19240Q201

SCHEDULE 13G

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.

Dated: February 14, 2023

Commodore Capital LP

By: /s/ Michael Kramarz

Michael Kramarz, Managing Partner

Commodore Capital Master LP

By: /s/ Michael Kramarz

Michael Kramarz, Authorized Signatory

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