

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

**SCHEDULE 13G**

Under the Securities Exchange Act of 1934

(Amendment No. 3)\*

**Olema Pharmaceuticals, Inc.**

(Name of Issuer)

**Common Stock**

(Title of Class of Securities)

68062P106

(CUSIP Number)

**December 31, 2022**

(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).

1	Names of Reporting Persons. I.R.S. Identification Nos. of above persons (entities only)
	Cormorant Private Healthcare Fund II, LP
2	Check the Appropriate Box if a Member of a Group (See Instructions)
	(a) <input type="checkbox"/>
	(b) <input checked="" type="checkbox"/>
3	SEC Use Only
4	Citizenship or Place of Organization.
	Delaware
	5 Sole Voting Power
	0 shares
	6 Shared Voting Power
	1,582,000 shares
	Refer to Item 4 below.
	7 Sole Dispositive Power
	0 shares
	8 Shared Dispositive Power
	1,582,000 shares
	Refer to Item 4 below.
9	Aggregate Amount Beneficially Owned by Each Reporting Person
	1,582,000 shares
	Refer to Item 4 below.
10	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)
	<input type="checkbox"/> N/A
11	Percent of Class Represented by Amount in Row (9)*
	3.91%
	Refer to Item 4 below.
12	Type of Reporting Person (See Instructions)
	PN (Partnership)

1	Names of Reporting Persons. I.R.S. Identification Nos. of above persons (entities only)
	Cormorant Private Healthcare GP II, LLC
2	Check the Appropriate Box if a Member of a Group (See Instructions)
	(a) <input type="checkbox"/>
	(b) <input checked="" type="checkbox"/>
3	SEC Use Only
4	Citizenship or Place of Organization.
	Delaware
	5 Sole Voting Power
	0 shares
	6 Shared Voting Power
	1,582,000 shares
	Refer to Item 4 below.
	7 Sole Dispositive Power
	0 shares
	8 Shared Dispositive Power
	1,582,000 shares
	Refer to Item 4 below.
9	Aggregate Amount Beneficially Owned by Each Reporting Person
	1,582,000 shares
	Refer to Item 4 below.
10	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)
	<input type="checkbox"/> N/A
11	Percent of Class Represented by Amount in Row (9)*
	3.91%
	Refer to Item 4 below.
12	Type of Reporting Person (See Instructions)
	OO (Limited Liability Company)

1	Names of Reporting Persons. I.R.S. Identification Nos. of above persons (entities only)
	Cormorant Private Healthcare Fund III, LP
2	Check the Appropriate Box if a Member of a Group (See Instructions)
	(a) <input type="checkbox"/>
	(b) <input checked="" type="checkbox"/>
3	SEC Use Only
4	Citizenship or Place of Organization.
	Delaware
	5 Sole Voting Power
	0 shares
	6 Shared Voting Power
	500,000 shares
	Refer to Item 4 below.
	7 Sole Dispositive Power
	0 shares
	8 Shared Dispositive Power
	500,000 shares
	Refer to Item 4 below.
9	Aggregate Amount Beneficially Owned by Each Reporting Person
	500,000 shares
	Refer to Item 4 below.
10	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)
	<input type="checkbox"/> N/A
11	Percent of Class Represented by Amount in Row (9)*
	1.24%
	Refer to Item 4 below.
12	Type of Reporting Person (See Instructions)
	PN (Partnership)

1	Names of Reporting Persons. I.R.S. Identification Nos. of above persons (entities only)
	Cormorant Private Healthcare GP III, LLC
2	Check the Appropriate Box if a Member of a Group (See Instructions)
	(a) <input type="checkbox"/>
	(b) <input checked="" type="checkbox"/>
3	SEC Use Only
4	Citizenship or Place of Organization.
	Delaware
	5 Sole Voting Power
	0 shares
	6 Shared Voting Power
	500,000 shares
	Refer to Item 4 below.
	7 Sole Dispositive Power
	0 shares
	8 Shared Dispositive Power
	500,000 shares
	Refer to Item 4 below.
9	Aggregate Amount Beneficially Owned by Each Reporting Person
	500,000 shares
	Refer to Item 4 below.
10	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)
	<input type="checkbox"/> N/A
11	Percent of Class Represented by Amount in Row (9)*
	1.24%
	Refer to Item 4 below.
12	Type of Reporting Person (See Instructions)
	OO (Limited Liability Company)

1	Names of Reporting Persons. I.R.S. Identification Nos. of above persons (entities only)
	Cormorant Asset Management, LP
2	Check the Appropriate Box if a Member of a Group (See Instructions)
	(a) <input type="checkbox"/>
	(b) <input checked="" type="checkbox"/>
3	SEC Use Only
4	Citizenship or Place of Organization.
	Delaware
	5 Sole Voting Power
	0 shares
	6 Shared Voting Power
	2,082,000 shares
	Refer to Item 4 below.
	7 Sole Dispositive Power
	0 shares
	8 Shared Dispositive Power
	2,082,000 shares
	Refer to Item 4 below.
9	Aggregate Amount Beneficially Owned by Each Reporting Person
	2,082,000 shares
	Refer to Item 4 below.
10	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)
	<input type="checkbox"/> N/A
11	Percent of Class Represented by Amount in Row (9)*
	5.15%
	Refer to Item 4 below.
12	Type of Reporting Person (See Instructions)
	PN (Partnership)

1	Names of Reporting Persons. I.R.S. Identification Nos. of above persons (entities only)
	Bihua Chen
2	Check the Appropriate Box if a Member of a Group (See Instructions)
	(a) <input type="checkbox"/>
	(b) <input checked="" type="checkbox"/>
3	SEC Use Only
4	Citizenship or Place of Organization.
	United States
	5 Sole Voting Power
	0 shares
	6 Shared Voting Power
	2,082,000 shares
	Refer to Item 4 below.
	7 Sole Dispositive Power
	0 shares
	8 Shared Dispositive Power
	2,082,000 shares
	Refer to Item 4 below.
9	Aggregate Amount Beneficially Owned by Each Reporting Person
	2,082,000 shares
	Refer to Item 4 below.
10	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)
	<input type="checkbox"/> N/A
11	Percent of Class Represented by Amount in Row (9)*
	5.15%
	Refer to Item 4 below.
12	Type of Reporting Person (See Instructions)
	IN (Individual)

**Item 1.**

- (a) Name of Issuer  
Olema Pharmaceuticals, Inc.
- (b) Address of Issuer's Principal Executive Offices  
512 2nd Street, 4th Floor, San Francisco, CA 94107

**Item 2.**

- (a) Name of Person Filing  
Cormorant Private Healthcare Fund II, LP  
Cormorant Private Healthcare GP II, LLC  
Cormorant Private Healthcare Fund III, LP  
Cormorant Private Healthcare GP III, LLC  
Cormorant Asset Management, LP  
Bihua Chen
- (b) Address of Principal Business Office or, if none, Residence  
200 Clarendon Street, 52nd Floor  
Boston, MA 02116
- (c) Citizenship  
Cormorant Private Healthcare Fund II, LP - Delaware  
Cormorant Private Healthcare GP II, LLC - Delaware  
Cormorant Private Healthcare Fund III, LP - Delaware  
Cormorant Private Healthcare GP III, LLC - Delaware  
Cormorant Asset Management, LP - Delaware  
Bihua Chen - United States
- (d) Title of Class of Securities  
Common Stock
- (e) CUSIP Number  
68062P106

**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:**

- (a)  Broker or dealer registered under section 15 of the Act (15 U.S.C. 78o).
- (b)  Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c).
- (c)  Insurance Company as defined in Section 3(a)(19) of the Act
- (d)  Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8).
- (e)  An investment adviser in accordance with §240.13d-1(b)(1)(ii)(E);
- (f)  An employee benefit plan or endowment fund in accordance with §240.13d-1(b)(1)(ii)(F);
- (g)  A parent holding company or control person in accordance with § 240.13d-1(b)(1)(ii)(G);
- (h)  A savings associations as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);
- (i)  A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3);
- (j)  A non-U.S. institution in accordance with §240.13d-1(b)(1)(ii)(J);
- (k)  Group, in accordance with §240.13d-1(b)(1)(ii)(K).

**Item 4. Ownership\*\*\***

Provide the following information regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1.

- (a) Amount Beneficially Owned\*\*\*

The information set forth in Rows 5 through 11 on the cover page for each Reporting Person is hereby incorporated by reference into this Item 4(a) for each such Reporting Person.

- (b) Percent of Class

The information set forth in Rows 5 through 11 on the cover page for each Reporting Person is hereby incorporated by reference into this Item 4(b) for each such Reporting Person.

- (c) Number of shares as to which such person has:
  - (i) sole power to vote or to direct the vote
  - (ii) shared power to vote or to direct the vote
  - (iii) sole power to dispose or to direct the disposition of
  - (iv) shared power to dispose or to direct the disposition of

The information set forth in Rows 5 through 11 on the cover page for each Reporting Person is hereby incorporated by reference into this Item 4(c) for each such Reporting Person.

\*\*\* Shares reported herein for Cormorant Asset Management, LP represent shares which are beneficially owned by Cormorant Private Healthcare Fund II, LP (“Fund II”) and Cormorant Private Healthcare Fund III, LP (“Fund III”), as reported herein. Cormorant Private Healthcare GP II, LLC and Cormorant Private Healthcare GP III, LLC serve as the general partners of Fund II and Fund III, respectively. Cormorant Asset Management, LP serves as the investment manager to Fund II and Fund III. Bihua Chen serves as the managing member of Cormorant Private Healthcare GP II, LLC, Cormorant Private Healthcare GP III, LLC and the general partner of Cormorant Asset Management, LP. Each of the Reporting Persons disclaims beneficial ownership of the shares reported herein except to the extent of its or his pecuniary interest therein.

The percentages reported herein with respect to the Reporting Persons’ holdings are calculated based upon a statement in the Issuer’s Quarterly Report on Form 10-Q for the quarterly period ended September 30, 2022, as filed with the Securities and Exchange Commission on November 8, 2022, that there were 40,455,427 shares of Common Stock outstanding as of November 4, 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**

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.

**Exhibits Exhibit**

- 99.1 Joint Filing Agreement by and among the Reporting Persons, incorporated by reference to Exhibit 99.1 to the Schedule 13G filed by the Reporting Persons with the Securities and Exchange Commission on November 23, 2020.

**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.

February 14, 2023

CORMORANT PRIVATE HEALTHCARE FUND II, LP  
By: Cormorant Private Healthcare GP II, LLC  
its General Partner

By: /s/ Bihua Chen  
Bihua Chen, Managing Member

CORMORANT PRIVATE HEALTHCARE GP II, LLC

By: /s/ Bihua Chen  
Bihua Chen, Managing Member

CORMORANT PRIVATE HEALTHCARE FUND III, LP  
By: Cormorant Private Healthcare GP III, LLC  
its General Partner

By: /s/ Bihua Chen  
Bihua Chen, Managing Member

CORMORANT PRIVATE HEALTHCARE GP III, LLC

By: /s/ Bihua Chen  
Bihua Chen, Managing Member

CORMORANT ASSET MANAGEMENT, LP  
By: Cormorant Asset Management GP, LLC  
its General Partner

By: /s/ Bihua Chen  
Bihua Chen, Managing Member

/s/ Bihua Chen  
Bihua Chen