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

SCHEDULE 13G

Under the Securities Exchange Act of 1934

(Amendment No. _)*

AVROBIO, Inc.

(Name of Issuer)

Common Stock

(Title of Class of Securities)

05455M100

(CUSIP Number)

June 20, 2018 †

(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)

[x] Rule 13d-1(c)

[] Rule 13d-1(d)

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).

† Beneficial ownership information reported in this Schedule 13G is as of the date of filing.

^{*} 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.

000	IP NO. 05455	M100
1	I.R.S. Identifie	porting Persons. cation Nos. of above persons (entities only) obal Healthcare Master Fund, LP
2	(a) []	propriate Box if a Member of a Group (See Instructions)
	(b) [x]	
<u>3</u> 4	SEC Use Only Citizenship or	Place of Organization.
	Cayman Islands	
		5 Sole Voting Power 0 shares
	Number of Shares Beneficially	6 Shared Voting Power 373,395 shares Refer to Item 4 below.
	Owned by Each Reporting Person With	7 Sole Dispositive Power 0 shares
		8 Shared Dispositive Power 373,395 shares
	A	Refer to Item 4 below.
9	373,395 share	nount Beneficially Owned by Each Reporting Person
	Refer to Item	
10	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) [] N/A	
11		ass Represented by Amount in Row (9)*
	1.6%	4 h - 1
17	Refer to Item	
12		rting Person (See Instructions)
	PN (Partnersh	ıp)

CUSIP NO.

05455M100

CU3	IP NO. 05455	5M1100
1	I.R.S. Identifi	porting Persons. ication Nos. of above persons (entities only) lobal Healthcare GP, LLC
2	Check the Ap	propriate Box if a Member of a Group (See Instructions)
	(b) [x]	
3	SEC Use Only	y
4	Citizenship or Place of Organization. Delaware	
		5 Sole Voting Power 0 shares
	Number of Shares Beneficially	6 Shared Voting Power 373,395 shares Refer to Item 4 below.
	Owned by Each Reporting Person With	7 Sole Dispositive Power 0 shares
		8 Shared Dispositive Power 373,395 shares
		Refer to Item 4 below.
9	Aggregate Amount Beneficially Owned by Each Reporting Person 373,395 shares	
10	Refer to Item 4 below. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) [] N/A	
11	Percent of Cla 1.6%	ass Represented by Amount in Row (9)*
	Refer to Item	4 below.
12		rting Person (See Instructions)
	OO (Limited)	Liability Company)

CUSIP NO.

05455M100

CUSIP NO. 05455M100			
1	I.R.S. Identifi	porting Persons. .cation Nos. of above persons (entities only) ivate Healthcare Fund I, LP	
2	Check the Ap	propriate Box if a Member of a Group (See Instructions)	
	(a) []		
	(b) [x]		
3	SEC Use Onl	y	
4	Citizenship or Place of Organization.		
	Delaware		
		5 Sole Voting Power	
		0 shares	
		6 Shared Voting Power	
	Number of Shares	1,056,762 shares	
	Beneficially	Refer to Item 4 below.	
	Owned by Each	7 Sole Dispositive Power	
	Reporting Person With	0 shares	
		8 Shared Dispositive Power	
		1,056,762 shares	
		Refer to Item 4 below.	
9	Aggregate An	nount Beneficially Owned by Each Reporting Person	
	1,056,762 sha	ires	
	Refer to Item	n 4 below.	
10	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) [] N/A		
11	Percent of Cla	ass Represented by Amount in Row (9)*	
	4.6%		
	Refer to Item	4 below.	
12	Type of Repo	rting Person (See Instructions)	
	PN (Partnersh	ip)	

1	I.R.S. Identifi	oorting Persons. cation Nos. of above persons (entities only) ivate Healthcare GP, LLC	
2	Check the Ap	propriate Box if a Member of a Group (See Instructions)	
	(a) []		
	(b) [x]		
3	SEC Use Only	у	
4	Citizenship or Place of Organization.		
	Delaware		
		5 Sole Voting Power	
		0 shares	
		6 Shared Voting Power	
	Number of Shares	1,056,762 shares	
	Beneficially	Refer to Item 4 below.	
	Owned by Each	7 Sole Dispositive Power	
	Reporting Person With	0 shares	
		8 Shared Dispositive Power	
		1,056,762 shares	
		Refer to Item 4 below.	
9	Aggregate An	nount Beneficially Owned by Each Reporting Person	
	1,056,762 sha	res	
	Refer to Item	a 4 below.	
10	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) [] N/A		
11	Percent of Cla	ass Represented by Amount in Row (9)*	
	4.6%		
	Refer to Item	4 below.	
12	Type of Repo	rting Person (See Instructions)	
	OO (Limited	Liability Company)	

CUSIP NO.

05455M100

CUSIP NO. 05455M100			
1	I.R.S. Identifie	porting Persons. cation Nos. of above persons (entities only) sset Management, LP	
2	Check the App (a) [] (b) [x]	propriate Box if a Member of a Group (See Instructions)	
3	SEC Use Only	V	
4		Citizenship or Place of Organization.	
		5 Sole Voting Power 0 shares	
	Number of Shares Beneficially	6 Shared Voting Power 1,507,781 shares Refer to Item 4 below.	
	Owned by Each Reporting Person With	7 Sole Dispositive Power 0 shares	
		8 Shared Dispositive Power 1,507,781 shares Refer to Item 4 below.	
9	Aggregate Amount Beneficially Owned by Each Reporting Person 1,507,781 shares Refer to Item 4 below.		
10	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) [] N/A		
11	Percent of Class Represented by Amount in Row (9)* 6.5%		
	Refer to Item	4 below.	
12	Type of Repor	rting Person (See Instructions)	
	PN (Partnersh	ip)	

CUSI	CUSIP NO. 05455M100	
1		oorting Persons. cation Nos. of above persons (entities only)
2	Check the Ap	propriate Box if a Member of a Group (See Instructions)
	(b) [x]	
3	SEC Use Only	<i>y</i>
4	4 Citizenship or Place of Organization. United States	
		5 Sole Voting Power 0 shares
	Number of Shares Beneficially Owned by Each Reporting Person With	6 Shared Voting Power 1,507,781 shares Refer to Item 4 below.
		7 Sole Dispositive Power 0 shares
		8 Shared Dispositive Power 1,507,781 shares
9	Refer to Item 4 below. Aggregate Amount Beneficially Owned by Each Reporting Person 1,507,781 shares	
10	Refer to Item 4 below. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) [] N/A	
11	Percent of Class Represented by Amount in Row (9)* 6.5%	
12	Refer to Item Type of Repor	4 below. rting Person (See Instructions)
	IN (Individua))

CUSIP NO. 05455M100

Item 1

(e)

CUSIP Number 05455M100

Item 1.		
	(a)	Name of Issuer
		AVROBIO, Inc.
	(b)	Address of Issuer's Principal Executive Offices
		One Kendall Square, Building 300, Suite 201, Cambridge, MA 02139
Item 2.		
	(a)	Name of Person Filing
		Cormorant Global Healthcare Master Fund, LP Cormorant Global Healthcare GP, LLC Cormorant Private Healthcare Fund I, LP Cormorant Private Healthcare GP, 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 Global Healthcare Master Fund, LP - Cayman Islands Cormorant Global Healthcare GP, LLC - Delaware Cormorant Private Healthcare Fund I, LP - Delaware Cormorant Private Healthcare GP, LLC - Delaware Cormorant Asset Management, LP - Delaware Bihua Chen - United States
	(d)	Title of Class of Securities
		Common Stock

CUSIP NO. 05455M100

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. 780).
 - (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***

Cormorant Global Healthcare Master Fund, LP – 373,395 shares Cormorant Global Healthcare GP, LLC – 373,395 shares Cormorant Private Healthcare Fund I, LP – 1,056,762 shares Cormorant Private Healthcare GP, LLC – 1,056,762 shares Cormorant Asset Management, LP – 1,507,781 shares Bihua Chen – 1,507,781 shares

(b) Percent of Class

Cormorant Global Healthcare Master Fund, LP – 1.6% Cormorant Global Healthcare GP, LLC – 1.6% Cormorant Private Healthcare Fund I, LP – 4.6% Cormorant Private Healthcare GP, LLC – 4.6% Cormorant Asset Management, LP – 6.5% Bihua Chen – 6.5%

CUSIP NO. 05455M100

- (c) Number of shares as to which such person has:
 - (i) sole power to vote or to direct the vote

Cormorant Global Healthcare Master Fund, LP - 0 shares Cormorant Global Healthcare GP, LLC - 0 shares Cormorant Private Healthcare Fund I, LP - 0 shares Cormorant Private Healthcare GP, LLC - 0 shares Cormorant Asset Management, LP - 0 shares Bihua Chen - 0 shares

(ii) shared power to vote or to direct the vote

Cormorant Global Healthcare Master Fund, LP – 373,395 shares Cormorant Global Healthcare GP, LLC – 373,395 shares Cormorant Private Healthcare Fund I, LP – 1,056,762 shares Cormorant Private Healthcare GP, LLC – 1,056,762 shares Cormorant Asset Management, LP – 1,507,781 shares Bihua Chen – 1,507,781 shares

(iii) sole power to dispose or to direct the disposition of

Cormorant Global Healthcare Master Fund, LP – 0 shares Cormorant Global Healthcare GP, LLC – 0 shares Cormorant Private Healthcare Fund I, LP – 0 shares Cormorant Private Healthcare GP, LLC – 0 shares Cormorant Asset Management, LP – 0 shares Bihua Chen – 0 shares

(iv) shared power to dispose or to direct the disposition of

Cormorant Global Healthcare Master Fund, LP – 373,395 shares Cormorant Global Healthcare GP, LLC – 373,395 shares Cormorant Private Healthcare Fund I, LP – 1,056,762 shares Cormorant Private Healthcare GP, LLC – 1,056,762 shares Cormorant Asset Management, LP – 1,507,781 shares Bihua Chen – 1,507,781 shares

*** Shares reported herein for Cormorant Asset Management, LP represent shares which are beneficially Cormorant Global Healthcare Master Fund, LP (the "Master Fund") and Cormorant Private Healthcare Fund I, LP ("Fund I"), as reported herein, and a managed account (the "Account"). Cormorant Global Healthcare GP, LLC and Cormorant Private Healthcare GP, LLC serve as the general partners of the Master Fund and Fund I, respectively. Cormorant Asset Management, LP serves as the investment manager to the Master Fund, Fund I and the Account. Bihua Chen serves as the managing member of Cormorant Global Healthcare GP, LLC, Cormorant Private Healthcare GP, LLC and the general partners of Cormorant Asset Management, LP. Each of the Reporting Persons CUSIP NO. 05455M100

disclaims beneficial ownership of the shares reported herein except to the extent of its or his pecuniary interest therein.

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.

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.

July 2, 2018

CORMORANT GLOBAL HEALTHCARE MASTER FUND, LP By: Cormorant Global Healthcare GP, LLC its General Partner

By: <u>/s/ Bihua Chen</u> Bihua Chen, Managing Member

CORMORANT GLOBAL HEALTHCARE GP, LLC

By: <u>/s/ Bihua Chen</u> Bihua Chen, Managing Member

CORMORANT PRIVATE HEALTHCARE FUND I, LP By: Cormorant Global Healthcare GP, LLC its General Partner

By: <u>/s/ Bihua Chen</u> Bihua Chen, Managing Member

CORMORANT PRIVATE HEALTHCARE GP, LLC

By: <u>/s/ Bihua Chen</u> Bihua Chen, Managing Member

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

By: <u>/s/ Bihua Chen</u> Bihua Chen, Managing Member

<u>/s/ Bihua Chen</u> Bihua Chen

JOINT FILING AGREEMENT

This Joint Filing Agreement, dated as of July 2, 2018, is by and among Cormorant Global Healthcare Master Fund, LP, Cormorant Global Healthcare GP, LLC, Cormorant Private Healthcare Fund I, LP, Cormorant Private Healthcare GP, LLC, Cormorant Asset Management, LP and Bihua Chen (collectively, the "Filers").

Each of the Filers may be required to file with the United States Securities and Exchange Commission a statement on Schedule 13D and/or 13G with respect to shares of Common Stock of AVROBIO, Inc. beneficially owned by them from time to time.

Pursuant to and in accordance with Rule 13(d)(1)(k) promulgated under the Securities Exchange Act of 1934, as amended, the Filers hereby agree to file a single statement on Schedule 13D and/or 13G (and any amendments thereto) on behalf of each of the Filers, and hereby further agree to file this Joint Filing Agreement as an exhibit to such statement, as required by such rule.

This Joint Filing Agreement may be terminated by any of the Filers upon written notice or such lesser period of notice as the Filers may mutually agree.

Executed and delivered as of the date first above written.

CORMORANT GLOBAL HEALTHCARE MASTER FUND, LP By: Cormorant Global Healthcare GP, LLC its General Partner

By: <u>/s/ Bihua Chen</u> Bihua Chen, Managing Member

CORMORANT GLOBAL HEALTHCARE GP, LLC

By: <u>/s/ Bihua Chen</u> Bihua Chen, Managing Member

CORMORANT PRIVATE HEALTHCARE FUND I, LP By: Cormorant Global Healthcare GP, LLC its General Partner

By: <u>/s/ Bihua Chen</u> Bihua Chen, Managing Member

CORMORANT PRIVATE HEALTHCARE GP, LLC

By: <u>/s/ Bihua Chen</u> Bihua Chen, Managing Member

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

By: <u>/s/ Bihua Chen</u> Bihua Chen, Managing Member

<u>/s/ Bihua Chen</u> Bihua Chen