

<p><b>Form 5500</b></p> <p>Department of the Treasury Internal Revenue Service</p> <hr/> <p>Department of Labor Employee Benefits Security Administration</p> <hr/> <p>Pension Benefit Guaranty Corporation</p>	<p><b>Annual Return/Report of Employee Benefit Plan</b></p> <p>This form is required to be filed for employee benefit plans under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and sections 6057(b) and 6058(a) of the Internal Revenue Code (the Code).</p> <p>▶ <b>Complete all entries in accordance with the instructions to the Form 5500.</b></p>	<p>OMB Nos. 1210-0110 1210-0089</p> <hr/> <p style="font-size: 24pt; font-weight: bold;">2022</p> <hr/> <p><b>This Form is Open to Public Inspection</b></p>
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<b>Part I Annual Report Identification Information</b>	
For calendar plan year 2022 or fiscal plan year beginning <u>01/01/2022</u> and ending <u>12/31/2022</u>	
<b>A</b> This return/report is for:	<input type="checkbox"/> a multiemployer plan <input type="checkbox"/> a multiple-employer plan (Filers checking this box must attach a list of participating employer information in accordance with the form instructions.) <input checked="" type="checkbox"/> a single-employer plan <input type="checkbox"/> a DFE (specify) ____
<b>B</b> This return/report is:	<input type="checkbox"/> the first return/report <input type="checkbox"/> the final return/report <input type="checkbox"/> an amended return/report <input type="checkbox"/> a short plan year return/report (less than 12 months)
<b>C</b> If the plan is a collectively-bargained plan, check here. . . . .	▶ <input type="checkbox"/>
<b>D</b> Check box if filing under:	<input checked="" type="checkbox"/> Form 5558 <input type="checkbox"/> automatic extension <input type="checkbox"/> the DFVC program <input type="checkbox"/> special extension (enter description)
<b>E</b> If this is a retroactively adopted plan permitted by SECURE Act section 201, check here. . . . .	▶ <input type="checkbox"/>

<b>Part II Basic Plan Information</b> —enter all requested information	
<p><b>1a</b> Name of plan <u>AVROBIO, INC 401K PLAN</u></p> <p><b>2a</b> Plan sponsor's name (employer, if for a single-employer plan) Mailing address (include room, apt., suite no. and street, or P.O. Box) City or town, state or province, country, and ZIP or foreign postal code (if foreign, see instructions) <u>AVROBIO, INC</u></p> <p><u>100 TECHNOLOGY SQUARE, 6TH FLR.</u> <u>CAMBRIDGE, MA 02139</u></p>	<p><b>1b</b> Three-digit plan number (PN) ▶ <u>001</u></p> <p><b>1c</b> Effective date of plan <u>01/01/2017</u></p> <p><b>2b</b> Employer Identification Number (EIN) <u>81-0710585</u></p> <p><b>2c</b> Plan Sponsor's telephone number <u>617-914-8420</u></p> <p><b>2d</b> Business code (see instructions) <u>541700</u></p>

**Caution: A penalty for the late or incomplete filing of this return/report will be assessed unless reasonable cause is established.**

Under penalties of perjury and other penalties set forth in the instructions, I declare that I have examined this return/report, including accompanying schedules, statements and attachments, as well as the electronic version of this return/report, and to the best of my knowledge and belief, it is true, correct, and complete.

<b>SIGN HERE</b>	Filed with authorized/valid electronic signature.	10/07/2023	SCOTT GOTTESMAN
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
<b>SIGN HERE</b>			
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor
<b>SIGN HERE</b>			
	Signature of DFE	Date	Enter name of individual signing as DFE

For Paperwork Reduction Act Notice, see the Instructions for Form 5500.

Form 5500 (2022)  
v. 220413

<b>3a</b> Plan administrator's name and address <input checked="" type="checkbox"/> Same as Plan Sponsor	<b>3b</b> Administrator's EIN  <b>3c</b> Administrator's telephone number
<b>4</b> If the name and/or EIN of the plan sponsor or the plan name has changed since the last return/report filed for this plan, enter the plan sponsor's name, EIN, the plan name and the plan number from the last return/report: <b>a</b> Sponsor's name <b>c</b> Plan Name	<b>4b</b> EIN  <b>4d</b> PN
<b>5</b> Total number of participants at the beginning of the plan year	<b>5</b> 165
<b>6</b> Number of participants as of the end of the plan year unless otherwise stated (welfare plans complete only lines <b>6a(1)</b> , <b>6a(2)</b> , <b>6b</b> , <b>6c</b> , and <b>6d</b> ).  <b>a(1)</b> Total number of active participants at the beginning of the plan year ..... <b>a(2)</b> Total number of active participants at the end of the plan year .....  <b>b</b> Retired or separated participants receiving benefits ..... <b>c</b> Other retired or separated participants entitled to future benefits..... <b>d</b> Subtotal. Add lines <b>6a(2)</b> , <b>6b</b> , and <b>6c</b> ..... <b>e</b> Deceased participants whose beneficiaries are receiving or are entitled to receive benefits. .... <b>f</b> Total. Add lines <b>6d</b> and <b>6e</b> .....  <b>g</b> Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item).....  <b>h</b> Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested.....	<b>6a(1)</b> 117 <b>6a(2)</b> 70 <b>6b</b> 0 <b>6c</b> 77 <b>6d</b> 147 <b>6e</b> 0 <b>6f</b> 147  <b>6g</b> 139 <b>6h</b> 0
<b>7</b> Enter the total number of employers obligated to contribute to the plan (only multiemployer plans complete this item) .....	<b>7</b>
<b>8a</b> If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristics Codes in the instructions: 2E 2F 2G 2J 2K 2T 3D  <b>b</b> If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristics Codes in the instructions:	
<b>9a</b> Plan funding arrangement (check all that apply) (1) <input type="checkbox"/> Insurance (2) <input type="checkbox"/> Code section 412(e)(3) insurance contracts (3) <input checked="" type="checkbox"/> Trust (4) <input type="checkbox"/> General assets of the sponsor	<b>9b</b> Plan benefit arrangement (check all that apply) (1) <input type="checkbox"/> Insurance (2) <input type="checkbox"/> Code section 412(e)(3) insurance contracts (3) <input checked="" type="checkbox"/> Trust (4) <input type="checkbox"/> General assets of the sponsor
<b>10</b> Check all applicable boxes in 10a and 10b to indicate which schedules are attached, and, where indicated, enter the number attached. (See instructions)	
<b>a Pension Schedules</b> (1) <input checked="" type="checkbox"/> <b>R</b> (Retirement Plan Information)  (2) <input type="checkbox"/> <b>MB</b> (Multiemployer Defined Benefit Plan and Certain Money Purchase Plan Actuarial Information) - signed by the plan actuary  (3) <input type="checkbox"/> <b>SB</b> (Single-Employer Defined Benefit Plan Actuarial Information) - signed by the plan actuary	<b>b General Schedules</b> (1) <input checked="" type="checkbox"/> <b>H</b> (Financial Information) (2) <input type="checkbox"/> <b>I</b> (Financial Information – Small Plan) (3) <input type="checkbox"/> <b>A</b> (Insurance Information) (4) <input checked="" type="checkbox"/> <b>C</b> (Service Provider Information) (5) <input type="checkbox"/> <b>D</b> (DFE/Participating Plan Information) (6) <input type="checkbox"/> <b>G</b> (Financial Transaction Schedules)

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**Part III Form M-1 Compliance Information (to be completed by welfare benefit plans)**

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**11a** If the plan provides welfare benefits, was the plan subject to the Form M-1 filing requirements during the plan year? (See instructions and 29 CFR 2520.101-2.) .....  Yes  No

If "Yes" is checked, complete lines 11b and 11c.

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**11b** Is the plan currently in compliance with the Form M-1 filing requirements? (See instructions and 29 CFR 2520.101-2.) .....  Yes  No

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**11c** Enter the Receipt Confirmation Code for the 2022 Form M-1 annual report. If the plan was not required to file the 2022 Form M-1 annual report, enter the Receipt Confirmation Code for the most recent Form M-1 that was required to be filed under the Form M-1 filing requirements. (Failure to enter a valid Receipt Confirmation Code will subject the Form 5500 filing to rejection as incomplete.)

Receipt Confirmation Code \_\_\_\_\_

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<b>SCHEDULE C</b> <b>(Form 5500)</b>  <small>Department of the Treasury Internal Revenue Service</small>  <small>Department of Labor Employee Benefits Security Administration</small>  <small>Pension Benefit Guaranty Corporation</small>	<b>Service Provider Information</b>  This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA).  ▶ <b>File as an attachment to Form 5500.</b>	<small>OMB No. 1210-0110</small>  <b>2022</b>  <b>This Form is Open to Public Inspection.</b>
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For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022

<b>A</b> Name of plan <u>AVROBIO, INC 401K PLAN</u>	<b>B</b> Three-digit plan number (PN) ▶	<u>001</u>
<b>C</b> Plan sponsor's name as shown on line 2a of Form 5500 <u>AVROBIO, INC</u>	<b>D</b> Employer Identification Number (EIN) <u>81-0710585</u>	

**Part I Service Provider Information (see instructions)**

You must complete this Part, in accordance with the instructions, to report the information required for **each person** who received, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of monetary value) in connection with services rendered to the plan or the person's position with the plan during the plan year. If a person received **only** eligible indirect compensation for which the plan received the required disclosures, you are required to answer line 1 but are not required to include that person when completing the remainder of this Part.

**1 Information on Persons Receiving Only Eligible Indirect Compensation**

**a** Check "Yes" or "No" to indicate whether you are excluding a person from the remainder of this Part because they received only eligible indirect compensation for which the plan received the required disclosures (see instructions for definitions and conditions).....  Yes  No

**b** If you answered line 1a "Yes," enter the name and EIN or address of each person providing the required disclosures for the service providers who received only eligible indirect compensation. Complete as many entries as needed (see instructions).

**(b)** Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation  
ALLIANCEBERNSTEIN L.P.  
  
13-4064930

**(b)** Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation  
AMERICAN FUNDS DISTRIBUTORS, INC.  
  
95-2769620

**(b)** Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation  
COLUMBIA ONE FINANCIAL CENTER  
MA5-515-14-01  
BOSTON, MA 02111

**(b)** Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation  
DELAWARE INVESTMENTS 2005 MARKET STREET  
PHILADELPHIA, PA 19103

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**(b)** Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

FIDELITY DISTRIBUTORS CORP.

500 SALEM STREET  
MAIL ZONE O3N  
SMITHFIELD, RI 02917

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**(b)** Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

FRANKLIN TEMPLETON DISTRIBUTORS, IN

100 FOUNTAIN PARKWAY  
ST. PETERSBURG, FL 33716

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**(b)** Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

INVESCO

1555 PEACHTREE STREET NW  
1800  
ATLANTA, GA 30309

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**(b)** Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

JANUS DISTRIBUTORS, LLC

151 DETROIT STREET  
DENVER, CO 80206

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**(b)** Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

JOHN HANCOCK FUNDS, LLC

601 CONGRESS STREET, 9145  
BOSTON, MA 02210

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**(b)** Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

PHOENIX - VIRTUS

56 PROSPECT STREET  
PO BOX 150480  
HARTFORD, CT 06115

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**(b)** Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

PRUDENTIAL INVESTMENTS LLC

22-3468527

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**(b)** Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

VANGUARD

455 DEVON PARK DRIVE  
WAYNE, PA 19087

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**(b)** Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

VICTORY CAPITAL MANAGEMENT

13-2700161

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**(b)** Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

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**(b)** Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

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**2. Information on Other Service Providers Receiving Direct or Indirect Compensation.** Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

ADP, INC.

13-3036745

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
37 50 15 64	RECORD KEEPER	2505	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	0	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>

(a) Enter name and EIN or address (see instructions)

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
			Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>		Yes <input type="checkbox"/> No <input type="checkbox"/>

(a) Enter name and EIN or address (see instructions)

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
			Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>		Yes <input type="checkbox"/> No <input type="checkbox"/>

**Part I Service Provider Information (continued)**

3. If you reported on line 2 receipt of indirect compensation, other than eligible indirect compensation, by a service provider, and the service provider is a fiduciary or provides contract administrator, consulting, custodial, investment advisory, investment management, broker, or recordkeeping services, answer the following questions for (a) each source from whom the service provider received \$1,000 or more in indirect compensation and (b) each source for whom the service provider gave you a formula used to determine the indirect compensation instead of an amount or estimated amount of the indirect compensation. Complete as many entries as needed to report the required information for each source.

<b>(a)</b> Enter service provider name as it appears on line 2	<b>(b)</b> Service Codes (see instructions)	<b>(c)</b> Enter amount of indirect compensation
<b>(d)</b> Enter name and EIN (address) of source of indirect compensation	<b>(e)</b> Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
<b>(a)</b> Enter service provider name as it appears on line 2	<b>(b)</b> Service Codes (see instructions)	<b>(c)</b> Enter amount of indirect compensation
<b>(d)</b> Enter name and EIN (address) of source of indirect compensation	<b>(e)</b> Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
<b>(a)</b> Enter service provider name as it appears on line 2	<b>(b)</b> Service Codes (see instructions)	<b>(c)</b> Enter amount of indirect compensation
<b>(d)</b> Enter name and EIN (address) of source of indirect compensation	<b>(e)</b> Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	

**Part II Service Providers Who Fail or Refuse to Provide Information**

**4** Provide, to the extent possible, the following information for each service provider who failed or refused to provide the information necessary to complete this Schedule.

<b>(a)</b> Enter name and EIN or address of service provider (see instructions)	<b>(b)</b> Nature of Service Code(s)	<b>(c)</b> Describe the information that the service provider failed or refused to provide

<b>(a)</b> Enter name and EIN or address of service provider (see instructions)	<b>(b)</b> Nature of Service Code(s)	<b>(c)</b> Describe the information that the service provider failed or refused to provide

<b>(a)</b> Enter name and EIN or address of service provider (see instructions)	<b>(b)</b> Nature of Service Code(s)	<b>(c)</b> Describe the information that the service provider failed or refused to provide

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<b>(a)</b> Enter name and EIN or address of service provider (see instructions)	<b>(b)</b> Nature of Service Code(s)	<b>(c)</b> Describe the information that the service provider failed or refused to provide

**Part III Termination Information on Accountants and Enrolled Actuaries (see instructions)**  
(complete as many entries as needed)

<b>a</b> Name:	<b>b</b> EIN:
<b>c</b> Position:	
<b>d</b> Address:	<b>e</b> Telephone:

Explanation:

<b>a</b> Name:	<b>b</b> EIN:
<b>c</b> Position:	
<b>d</b> Address:	<b>e</b> Telephone:

Explanation:

<b>a</b> Name:	<b>b</b> EIN:
<b>c</b> Position:	
<b>d</b> Address:	<b>e</b> Telephone:

Explanation:

<b>a</b> Name:	<b>b</b> EIN:
<b>c</b> Position:	
<b>d</b> Address:	<b>e</b> Telephone:

Explanation:

<b>a</b> Name:	<b>b</b> EIN:
<b>c</b> Position:	
<b>d</b> Address:	<b>e</b> Telephone:

Explanation:

<p style="text-align: center;"><b>SCHEDULE H</b> <b>(Form 5500)</b></p> <p style="font-size: small;">Department of the Treasury Internal Revenue Service</p> <hr/> <p style="font-size: x-small;">Department of Labor Employee Benefits Security Administration</p> <hr/> <p style="font-size: x-small;">Pension Benefit Guaranty Corporation</p>	<p><b>Financial Information</b></p> <p style="font-size: x-small;">This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA), and section 6058(a) of the Internal Revenue Code (the Code).</p> <p style="text-align: center;">▶ <b>File as an attachment to Form 5500.</b></p>	<p style="font-size: x-small;">OMB No. 1210-0110</p> <hr/> <p style="font-size: large; font-weight: bold;">2022</p> <hr/> <p style="font-weight: bold;">This Form is Open to Public Inspection</p>
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For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022

<p><b>A</b> Name of plan <u>AVROBIO, INC 401K PLAN</u></p>	<p><b>B</b> Three-digit plan number (PN) ▶ <u>001</u></p>
<p><b>C</b> Plan sponsor's name as shown on line 2a of Form 5500 <u>AVROBIO, INC</u></p>	<p><b>D</b> Employer Identification Number (EIN) <u>81-0710585</u></p>

**Part I Asset and Liability Statement**

**1** Current value of plan assets and liabilities at the beginning and end of the plan year. Combine the value of plan assets held in more than one trust. Report the value of the plan's interest in a commingled fund containing the assets of more than one plan on a line-by-line basis unless the value is reportable on lines 1c(9) through 1c(14). Do not enter the value of that portion of an insurance contract which guarantees, during this plan year, to pay a specific dollar benefit at a future date. **Round off amounts to the nearest dollar.** MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 1b(1), 1b(2), 1c(8), 1g, 1h, and 1i. CCTs, PSAs, and 103-12 IEs also do not complete lines 1d and 1e. See instructions.

Assets	(a) Beginning of Year	(b) End of Year
<b>a</b> Total noninterest-bearing cash.....	<b>1a</b>	
<b>b</b> Receivables (less allowance for doubtful accounts):		
<b>(1)</b> Employer contributions.....	<b>1b(1)</b>	
<b>(2)</b> Participant contributions.....	<b>1b(2)</b>	
<b>(3)</b> Other.....	<b>1b(3)</b>	
<b>c</b> General investments:		
<b>(1)</b> Interest-bearing cash (include money market accounts & certificates of deposit).....	<b>1c(1)</b>	
<b>(2)</b> U.S. Government securities.....	<b>1c(2)</b>	
<b>(3)</b> Corporate debt instruments (other than employer securities):		
<b>(A)</b> Preferred.....	<b>1c(3)(A)</b>	
<b>(B)</b> All other.....	<b>1c(3)(B)</b>	
<b>(4)</b> Corporate stocks (other than employer securities):		
<b>(A)</b> Preferred.....	<b>1c(4)(A)</b>	
<b>(B)</b> Common.....	<b>1c(4)(B)</b>	
<b>(5)</b> Partnership/joint venture interests.....	<b>1c(5)</b>	
<b>(6)</b> Real estate (other than employer real property).....	<b>1c(6)</b>	
<b>(7)</b> Loans (other than to participants).....	<b>1c(7)</b>	
<b>(8)</b> Participant loans.....	<b>1c(8)</b>	<u>57744</u>
<b>(9)</b> Value of interest in common/collective trusts.....	<b>1c(9)</b>	
<b>(10)</b> Value of interest in pooled separate accounts.....	<b>1c(10)</b>	
<b>(11)</b> Value of interest in master trust investment accounts.....	<b>1c(11)</b>	
<b>(12)</b> Value of interest in 103-12 investment entities.....	<b>1c(12)</b>	
<b>(13)</b> Value of interest in registered investment companies (e.g., mutual funds).....	<b>1c(13)</b>	<u>8325590</u>
<b>(14)</b> Value of funds held in insurance company general account (unallocated contracts).....	<b>1c(14)</b>	<u>7596787</u>
<b>(15)</b> Other.....	<b>1c(15)</b>	

1d Employer-related investments:		(a) Beginning of Year	(b) End of Year
(1) Employer securities.....	1d(1)		
(2) Employer real property.....	1d(2)		
e Buildings and other property used in plan operation.....	1e		
f Total assets (add all amounts in lines 1a through 1e).....	1f	8383334	7710184

**Liabilities**

g Benefit claims payable.....	1g		
h Operating payables.....	1h		
i Acquisition indebtedness.....	1i		
j Other liabilities.....	1j		
k Total liabilities (add all amounts in lines 1g through 1j).....	1k	0	0

**Net Assets**

l Net assets (subtract line 1k from line 1f).....	1l	8383334	7710184
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**Part II Income and Expense Statement**

2 Plan income, expenses, and changes in net assets for the year. Include all income and expenses of the plan, including any trust(s) or separately maintained fund(s) and any payments/receipts to/from insurance carriers. Round off amounts to the nearest dollar. MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 2a, 2b(1)(E), 2e, 2f, and 2g.

**Income**

**a Contributions:**

		(a) Amount	(b) Total
(1) Received or receivable in cash from: (A) Employers.....	2a(1)(A)	569047	
(B) Participants.....	2a(1)(B)	1627630	
(C) Others (including rollovers).....	2a(1)(C)	365141	
(2) Noncash contributions.....	2a(2)		
(3) Total contributions. Add lines 2a(1)(A), (B), (C), and line 2a(2).....	2a(3)		2561818

**b Earnings on investments:**

(1) Interest:

(A) Interest-bearing cash (including money market accounts and certificates of deposit).....	2b(1)(A)		
(B) U.S. Government securities.....	2b(1)(B)		
(C) Corporate debt instruments.....	2b(1)(C)		
(D) Loans (other than to participants).....	2b(1)(D)		
(E) Participant loans.....	2b(1)(E)	1775	
(F) Other.....	2b(1)(F)		
(G) Total interest. Add lines 2b(1)(A) through (F).....	2b(1)(G)		1775

(2) Dividends: (A) Preferred stock.....	2b(2)(A)		
(B) Common stock.....	2b(2)(B)		
(C) Registered investment company shares (e.g. mutual funds).....	2b(2)(C)	348193	
(D) Total dividends. Add lines 2b(2)(A), (B), and (C).....	2b(2)(D)		

(3) Rents.....	2b(3)		
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(4) Net gain (loss) on sale of assets: (A) Aggregate proceeds.....	2b(4)(A)		
(B) Aggregate carrying amount (see instructions).....	2b(4)(B)		
(C) Subtract line 2b(4)(B) from line 2b(4)(A) and enter result.....	2b(4)(C)		

(5) Unrealized appreciation (depreciation) of assets: (A) Real estate.....	2b(5)(A)		
(B) Other.....	2b(5)(B)		
(C) Total unrealized appreciation of assets. Add lines 2b(5)(A) and (B).....	2b(5)(C)		

		(a) Amount	(b) Total
(6) Net investment gain (loss) from common/collective trusts .....	2b(6)		
(7) Net investment gain (loss) from pooled separate accounts .....	2b(7)		
(8) Net investment gain (loss) from master trust investment accounts .....	2b(8)		
(9) Net investment gain (loss) from 103-12 investment entities.....	2b(9)		
(10) Net investment gain (loss) from registered investment companies (e.g., mutual funds) .....	2b(10)		-1807276
<b>c</b> Other income .....	2c		
<b>d</b> Total income. Add all <b>income</b> amounts in column (b) and enter total .....	2d		1104510
<b>Expenses</b>			
<b>e</b> Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers .....	2e(1)	1642383	
(2) To insurance carriers for the provision of benefits .....	2e(2)		
(3) Other .....	2e(3)		
(4) Total benefit payments. Add lines 2e(1) through (3).....	2e(4)		1642383
<b>f</b> Corrective distributions (see instructions).....	2f		132772
<b>g</b> Certain deemed distributions of participant loans (see instructions) .....	2g		
<b>h</b> Interest expense.....	2h		
<b>i</b> Administrative expenses: (1) Professional fees .....	2i(1)		
(2) Contract administrator fees.....	2i(2)		
(3) Investment advisory and management fees .....	2i(3)		
(4) Other .....	2i(4)	2505	
(5) Total administrative expenses. Add lines 2i(1) through (4).....	2i(5)		2505
<b>j</b> Total expenses. Add all <b>expense</b> amounts in column (b) and enter total .....	2j		1777660
<b>Net Income and Reconciliation</b>			
<b>k</b> Net income (loss). Subtract line 2j from line 2d.....	2k		-673150
<b>l</b> Transfers of assets:			
(1) To this plan .....	2l(1)		0
(2) From this plan.....	2l(2)		0

**Part III Accountant's Opinion**

**3** Complete lines 3a through 3c if the opinion of an independent qualified public accountant is attached to this Form 5500. Complete line 3d if an opinion is not attached.

**a** The attached opinion of an independent qualified public accountant for this plan is (see instructions):

(1)  Unmodified (2)  Qualified (3)  Disclaimer (4)  Adverse

**b** Check the appropriate box(es) to indicate whether the IQPA performed an ERISA section 103(a)(3)(C) audit. Check both boxes (1) and (2) if the audit was performed pursuant to both 29 CFR 2520.103-8 and 29 CFR 2520.103-12(d). Check box (3) if pursuant to neither.

(1)  DOL Regulation 2520.103-8 (2)  DOL Regulation 2520.103-12(d) (3)  neither DOL Regulation 2520.103-8 nor DOL Regulation 2520.103-12(d).

**c** Enter the name and EIN of the accountant (or accounting firm) below:

(1) Name: TAWNEY, PLCC

(2) EIN: 46-4585449

**d** The opinion of an independent qualified public accountant is **not attached** because:

(1)  This form is filed for a CCT, PSA, or MTIA. (2)  It will be attached to the next Form 5500 pursuant to 29 CFR 2520.104-50.

**Part IV Compliance Questions**

**4** CCTs and PSAs do not complete Part IV. MTIAs, 103-12 IEs, and GIAs do not complete lines 4a, 4e, 4f, 4g, 4h, 4k, 4m, 4n, or 5. 103-12 IEs also do not complete lines 4j and 4l. MTIAs also do not complete line 4l.

During the plan year:

**a** Was there a failure to transmit to the plan any participant contributions within the time period described in 29 CFR 2510.3-102? Continue to answer "Yes" for any prior year failures until fully corrected. (See instructions and DOL's Voluntary Fiduciary Correction Program.) .....

	Yes	No	Amount
4a		X	

		Yes	No	Amount
<b>b</b> Were any loans by the plan or fixed income obligations due the plan in default as of the close of the plan year or classified during the year as uncollectible? Disregard participant loans secured by participant's account balance. (Attach Schedule G (Form 5500) Part I if "Yes" is checked.).....	<b>4b</b>		X	
<b>c</b> Were any leases to which the plan was a party in default or classified during the year as uncollectible? (Attach Schedule G (Form 5500) Part II if "Yes" is checked.) .....	<b>4c</b>		X	
<b>d</b> Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 4a. Attach Schedule G (Form 5500) Part III if "Yes" is checked.).....	<b>4d</b>		X	
<b>e</b> Was this plan covered by a fidelity bond?.....	<b>4e</b>	X		500000
<b>f</b> Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty? .....	<b>4f</b>		X	
<b>g</b> Did the plan hold any assets whose current value was neither readily determinable on an established market nor set by an independent third party appraiser?.....	<b>4g</b>		X	
<b>h</b> Did the plan receive any noncash contributions whose value was neither readily determinable on an established market nor set by an independent third party appraiser?.....	<b>4h</b>		X	
<b>i</b> Did the plan have assets held for investment? (Attach schedule(s) of assets if "Yes" is checked, and see instructions for format requirements.).....	<b>4i</b>	X		
<b>j</b> Were any plan transactions or series of transactions in excess of 5% of the current value of plan assets? (Attach schedule of transactions if "Yes" is checked and see instructions for format requirements.).....	<b>4j</b>		X	
<b>k</b> Were all the plan assets either distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC?.....	<b>4k</b>		X	
<b>l</b> Has the plan failed to provide any benefit when due under the plan?.....	<b>4l</b>		X	
<b>m</b> If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.).....	<b>4m</b>		X	
<b>n</b> If 4m was answered "Yes," check the "Yes" box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3.....	<b>4n</b>			

**5a** Has a resolution to terminate the plan been adopted during the plan year or any prior plan year?.....  Yes  No  
 If "Yes," enter the amount of any plan assets that reverted to the employer this year \_\_\_\_\_.

**5b** If, during this plan year, any assets or liabilities were transferred from this plan to another plan(s), identify the plan(s) to which assets or liabilities were transferred. (See instructions.)

5b(1) Name of plan(s)	5b(2) EIN(s)	5b(3) PN(s)

**5c** Was the plan a defined benefit plan covered under the PBGC insurance program at any time during this plan year? (See ERISA section 4021 and instructions.) .....  Yes  No  Not determined  
 If "Yes" is checked, enter the My PAA confirmation number from the PBGC premium filing for this plan year \_\_\_\_\_.

<b>SCHEDULE R</b> <b>(Form 5500)</b>  <small>Department of the Treasury Internal Revenue Service</small>  <small>Department of Labor Employee Benefits Security Administration</small>  <small>Pension Benefit Guaranty Corporation</small>	<b>Retirement Plan Information</b>  This schedule is required to be filed under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6058(a) of the Internal Revenue Code (the Code).  <b>▶ File as an attachment to Form 5500.</b>	<small>OMB No. 1210-0110</small>  <b>2022</b>  <b>This Form is Open to Public Inspection.</b>
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For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022

<b>A</b> Name of plan <u>AVROBIO, INC 401K PLAN</u>	<b>B</b> Three-digit plan number (PN) ▶	<u>001</u>
<b>C</b> Plan sponsor's name as shown on line 2a of Form 5500 <u>AVROBIO, INC</u>	<b>D</b> Employer Identification Number (EIN) <u>81-0710585</u>	

<b>Part I</b>	<b>Distributions</b>
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**All references to distributions relate only to payments of benefits during the plan year.**

**1** Total value of distributions paid in property other than in cash or the forms of property specified in the instructions..... 1 0

**2** Enter the EIN(s) of payor(s) who paid benefits on behalf of the plan to participants or beneficiaries during the year (if more than two, enter EINs of the two payors who paid the greatest dollar amounts of benefits):  
 EIN(s): 57-1198022

**Profit-sharing plans, ESOPs, and stock bonus plans, skip line 3.**

**3** Number of participants (living or deceased) whose benefits were distributed in a single sum, during the plan year..... 3

<b>Part II</b>	<b>Funding Information</b> (If the plan is not subject to the minimum funding requirements of section 412 of the Internal Revenue Code or ERISA section 302, skip this Part.)
----------------	---

**4** Is the plan administrator making an election under Code section 412(d)(2) or ERISA section 302(d)(2)? .....  Yes  No  N/A  
**If the plan is a defined benefit plan, go to line 8.**

**5** If a waiver of the minimum funding standard for a prior year is being amortized in this plan year, see instructions and enter the date of the ruling letter granting the waiver. **Date:** Month \_\_\_\_\_ Day \_\_\_\_\_ Year \_\_\_\_\_  
**If you completed line 5, complete lines 3, 9, and 10 of Schedule MB and do not complete the remainder of this schedule.**

<b>6 a</b> Enter the minimum required contribution for this plan year (include any prior year accumulated funding deficiency not waived).....	<b>6a</b>	
<b>b</b> Enter the amount contributed by the employer to the plan for this plan year.....	<b>6b</b>	
<b>c</b> Subtract the amount in line 6b from the amount in line 6a. Enter the result (enter a minus sign to the left of a negative amount).....	<b>6c</b>	

**If you completed line 6c, skip lines 8 and 9.**

**7** Will the minimum funding amount reported on line 6c be met by the funding deadline? .....  Yes  No  N/A

**8** If a change in actuarial cost method was made for this plan year pursuant to a revenue procedure or other authority providing automatic approval for the change or a class ruling letter, does the plan sponsor or plan administrator agree with the change? .....  Yes  No  N/A

<b>Part III</b>	<b>Amendments</b>
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**9** If this is a defined benefit pension plan, were any amendments adopted during this plan year that increased or decreased the value of benefits? If yes, check the appropriate box. If no, check the "No" box.....  Increase  Decrease  Both  No

<b>Part IV</b>	<b>ESOPs</b> (see instructions). If this is not a plan described under section 409(a) or 4975(e)(7) of the Internal Revenue Code, skip this Part.
----------------	---

**10** Were unallocated employer securities or proceeds from the sale of unallocated securities used to repay any exempt loan?.....  Yes  No

**11 a** Does the ESOP hold any preferred stock?.....  Yes  No

**b** If the ESOP has an outstanding exempt loan with the employer as lender, is such loan part of a "back-to-back" loan? (See instructions for definition of "back-to-back" loan.).....  Yes  No

**12** Does the ESOP hold any stock that is not readily tradable on an established securities market?.....  Yes  No

**Part V Additional Information for Multiemployer Defined Benefit Pension Plans**

**13** Enter the following information for each employer that (1) contributed more than 5% of total contributions to the plan during the plan year or (2) was one of the top-ten highest contributors (measured in dollars). See instructions. Complete as many entries as needed to report all applicable employers.

**a** Name of contributing employer \_\_\_\_\_

**b** EIN \_\_\_\_\_ **c** Dollar amount contributed by employer \_\_\_\_\_

**d** Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box  and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month \_\_\_\_\_ Day \_\_\_\_\_ Year \_\_\_\_\_

**e** Contribution rate information (If more than one rate applies, check this box  and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) \_\_\_\_\_

(2) Base unit measure:  Hourly  Weekly  Unit of production  Other (specify): \_\_\_\_\_

**a** Name of contributing employer \_\_\_\_\_

**b** EIN \_\_\_\_\_ **c** Dollar amount contributed by employer \_\_\_\_\_

**d** Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box  and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month \_\_\_\_\_ Day \_\_\_\_\_ Year \_\_\_\_\_

**e** Contribution rate information (If more than one rate applies, check this box  and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) \_\_\_\_\_

(2) Base unit measure:  Hourly  Weekly  Unit of production  Other (specify): \_\_\_\_\_

**a** Name of contributing employer \_\_\_\_\_

**b** EIN \_\_\_\_\_ **c** Dollar amount contributed by employer \_\_\_\_\_

**d** Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box  and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month \_\_\_\_\_ Day \_\_\_\_\_ Year \_\_\_\_\_

**e** Contribution rate information (If more than one rate applies, check this box  and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) \_\_\_\_\_

(2) Base unit measure:  Hourly  Weekly  Unit of production  Other (specify): \_\_\_\_\_

**a** Name of contributing employer \_\_\_\_\_

**b** EIN \_\_\_\_\_ **c** Dollar amount contributed by employer \_\_\_\_\_

**d** Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box  and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month \_\_\_\_\_ Day \_\_\_\_\_ Year \_\_\_\_\_

**e** Contribution rate information (If more than one rate applies, check this box  and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) \_\_\_\_\_

(2) Base unit measure:  Hourly  Weekly  Unit of production  Other (specify): \_\_\_\_\_

**a** Name of contributing employer \_\_\_\_\_

**b** EIN \_\_\_\_\_ **c** Dollar amount contributed by employer \_\_\_\_\_

**d** Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box  and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month \_\_\_\_\_ Day \_\_\_\_\_ Year \_\_\_\_\_

**e** Contribution rate information (If more than one rate applies, check this box  and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) \_\_\_\_\_

(2) Base unit measure:  Hourly  Weekly  Unit of production  Other (specify): \_\_\_\_\_

**a** Name of contributing employer \_\_\_\_\_

**b** EIN \_\_\_\_\_ **c** Dollar amount contributed by employer \_\_\_\_\_

**d** Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box  and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month \_\_\_\_\_ Day \_\_\_\_\_ Year \_\_\_\_\_

**e** Contribution rate information (If more than one rate applies, check this box  and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) \_\_\_\_\_

(2) Base unit measure:  Hourly  Weekly  Unit of production  Other (specify): \_\_\_\_\_

**14** Enter the number of deferred vested and retired participants (inactive participants), as of the beginning of the plan year, whose contributing employer is no longer making contributions to the plan for:

<b>a</b> The current plan year. Check the box to indicate the counting method used to determine the number of inactive participants: <input type="checkbox"/> last contributing employer <input type="checkbox"/> alternative <input type="checkbox"/> reasonable approximation (see instructions for required attachment).....	<b>14a</b>	
<b>b</b> The plan year immediately preceding the current plan year. <input type="checkbox"/> Check the box if the number reported is a change from what was previously reported (see instructions for required attachment) .....	<b>14b</b>	
<b>c</b> The second preceding plan year. <input type="checkbox"/> Check the box if the number reported is a change from what was previously reported (see instructions for required attachment).....	<b>14c</b>	

**15** Enter the ratio of the number of participants under the plan on whose behalf no employer had an obligation to make an employer contribution during the current plan year to:

<b>a</b> The corresponding number for the plan year immediately preceding the current plan year.....	<b>15a</b>	
<b>b</b> The corresponding number for the second preceding plan year.....	<b>15b</b>	

**16** Information with respect to any employers who withdrew from the plan during the preceding plan year:

<b>a</b> Enter the number of employers who withdrew during the preceding plan year .....	<b>16a</b>	
<b>b</b> If line 16a is greater than 0, enter the aggregate amount of withdrawal liability assessed or estimated to be assessed against such withdrawn employers.....	<b>16b</b>	

**17** If assets and liabilities from another plan have been transferred to or merged with this plan during the plan year, check box and see instructions regarding supplemental information to be included as an attachment .....

**Part VI Additional Information for Single-Employer and Multiemployer Defined Benefit Pension Plans**

**18** If any liabilities to participants or their beneficiaries under the plan as of the end of the plan year consist (in whole or in part) of liabilities to such participants and beneficiaries under two or more pension plans as of immediately before such plan year, check box and see instructions regarding supplemental information to be included as an attachment .....

**19** If the total number of participants is 1,000 or more, complete lines (a) through (c)

**a** Enter the percentage of plan assets held as:  
 Stock: \_\_\_\_\_% Investment-Grade Debt: \_\_\_\_\_% High-Yield Debt: \_\_\_\_\_% Real Estate: \_\_\_\_\_% Other: \_\_\_\_\_%

**b** Provide the average duration of the combined investment-grade and high-yield debt:  
 0-3 years  3-6 years  6-9 years  9-12 years  12-15 years  15-18 years  18-21 years  21 years or more

**c** What duration measure was used to calculate line 19(b)?  
 Effective duration  Macaulay duration  Modified duration  Other (specify): \_\_\_\_\_

**20 PBGC missed contribution reporting requirements.** If this is a multiemployer plan or a single-employer plan that is not covered by PBGC, skip line 20.

**a** Is the amount of unpaid minimum required contributions for all years from Schedule SB (Form 5500) line 40 greater than zero?  Yes  No

**b** If line 20a is "Yes," has PBGC been notified as required by ERISA sections 4043(c)(5) and/or 303(k)(4)? Check the applicable box:

Yes.

No. Reporting was waived under 29 CFR 4043.25(c)(2) because contributions equal to or exceeding the unpaid minimum required contribution were made by the 30th day after the due date.

No. The 30-day period referenced in 29 CFR 4043.25(c)(2) has not yet ended, and the sponsor intends to make a contribution equal to or exceeding the unpaid minimum required contribution by the 30th day after the due date.

No. Other. Provide explanation \_\_\_\_\_

**AVROBIO, Inc 401k Plan**

Financial Statements and Supplemental Schedule  
As of December 31, 2022 and 2021  
and For the Year Ended December 31, 2022  
With Report of Independent Auditors

**AVROBIO, Inc 401k Plan**

Financial Statements and Supplemental Schedule  
As of December 31, 2022 and 2021  
and For the Year Ended December 31, 2022

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Report of Independent Auditors

The Plan Administrator and Participants  
AVROBIO, Inc 401k Plan

**Scope and Nature of the ERISA Section 103(a)(3)(C) Audit**

We have performed audits of the financial statements of AVROBIO, Inc 401k Plan, an employee benefit plan subject to the Employee Retirement Income Security Act of 1974 (ERISA), as permitted by ERISA Section 103(a)(3)(C) (ERISA Section 103(a)(3)(C) audit). The financial statements comprise the statement of net assets available for benefits as of December 31, 2022 and 2021, and the related statement of changes in net assets available for benefits for the year ended December 31, 2022, and the related notes to the financial statements.

Management, having determined it is permissible in the circumstances, has elected to have the audits of the financial statements performed in accordance with ERISA Section 103(a)(3)(C) pursuant to 29 CFR 2520.103-8 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA. As permitted by ERISA Section 103(a)(3)(C), our audits need not extend to any statements or information related to assets held for investment of the plan (investment information) by a bank or similar institution or insurance carrier that is regulated, supervised, and subject to periodic examination by a state or federal agency, provided that the statements or information regarding assets so held are prepared and certified to by the bank or similar institution or insurance carrier in accordance with 29 CFR 2520.103-5 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA (qualified institution).

Management has obtained a certification from a qualified institution as of December 31, 2022 and 2021, and for the year ended December 31, 2022, stating that the certified investment information, as described in Note 3 to the financial statements, is complete and accurate.

***Opinion***

In our opinion, based on our audits and on the procedures performed as described in the Auditor's Responsibilities for the Audit of the Financial Statements section:

- The amounts and disclosures in the accompanying financial statements, other than those agreed to or derived from the certified investment information, are presented fairly, in all material respects, in accordance with accounting principles generally accepted in the United States of America.
- The information in the accompanying financial statements related to assets held by and certified to by a qualified institution agrees to, or is derived from, in all material respects, the information prepared and certified by an institution that management determined meets the requirements of ERISA Section 103(a)(3)(C).

***Basis for Opinion***

We conducted our audits in accordance with auditing standards generally accepted in the United States of America (GAAS). Our responsibilities under those standards are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section of our report. We are required to be independent of AVROBIO, Inc 401k Plan and to meet our ethical responsibilities, in accordance with the relevant ethical requirements relating to our audits. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our ERISA Section 103(a)(3)(C) audit opinion.

### ***Responsibilities of Management for the Financial Statements***

Management is responsible for the preparation and fair presentation of the financial statements in accordance with accounting principles generally accepted in the United States of America, and for the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error. Management's election of the ERISA Section 103(a)(3)(C) audit does not affect management's responsibility for the financial statements. In preparing the financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about AVROBIO, Inc 401k Plan's ability to continue as a going concern for one year after the date the financial statements are available to be issued.

Management is also responsible for maintaining a current plan instrument, including all plan amendments, administering the plan, and determining that the plan's transactions that are presented and disclosed in the financial statements are in conformity with the plan's provisions, including maintaining sufficient records with respect to each of the participants, to determine the benefits due or which may become due to such participants.

### ***Auditor's Responsibilities for the Audit of the Financial Statements***

Except as described in the Scope and Nature of the ERISA Section 103(a)(3)(C) Audit of the Financial Statements section of our report, our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with GAAS will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if, there is a substantial likelihood that, individually or in the aggregate, they would influence the judgement made by a reasonable user based on the financial statements.

In performing an audit in accordance with GAAS, we:

- Exercise professional judgement and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion the effectiveness of AVROBIO, Inc 401k Plan's internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements.
- Conclude whether, in our judgement, there are conditions or events, considered in the aggregate, that raise substantial doubt about AVROBIO, Inc 401k Plan's ability to continue as a going concern for a reasonable period of time.

Our audits did not extend to the certified investment information, except for obtaining and reading the certification, comparing the certified investment information with the related information presented and disclosed in the financial statements, and reading the disclosures relating to the certified investment information to assess whether they are in accordance with the presentation and disclosure requirements of accounting principles generally accepted in the United States of America.

Accordingly, the objective of an ERISA Section 103(a)(3)(C) audit is not to express an opinion about whether the financial statements as a whole are presented fairly, in all material respects, in accordance with accounting principles generally accepted in the United States of America.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control-related matters that we identified during the audit.

***Other Matters***


*Supplemental Schedule Required by ERISA*

The supplemental Schedule of Assets Held as of December 31, 2022 is presented for the purpose of additional analysis and is not a required part of the financial statements but is supplementary information required by the Department of Labor’s Rules and Regulations for Reporting and Disclosure under ERISA. Such information is the responsibility of management and was derived from and related directly to the underlying accounting and other records used to prepare the financial statements. The information included in the supplemental schedule, other than that agreed to or derived from the certified investment information, has been subjected to auditing procedures applied in the audits of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves, and other additional procedures in accordance with GAAS. For information included in the supplemental schedule that agreed to or is derived from the certified investment information, we compared such information to the related certified investment information.

In forming our opinion on the supplemental schedule, we evaluated whether the supplemental schedule, other than information agreed to or derived from the certified investment information, including its form and content, is presented in conformity with the Department of Labor’s Rules and Regulations for Reporting and Disclosure under ERISA.

In our opinion:

- The form and content of the supplemental schedule, other than the information in the supplemental schedule that agreed to or is derived from the certified investment information, is presented, in all material respects, in conformity with the Department of Labor’s Rules and Regulations for Reporting and Disclosure under ERISA.
- The information in the supplemental schedule related to assets held by and certified to by a qualified institution agrees to, or is derived from, in all material respects, the information prepared and certified by an institution that management determined meets the requirements of ERISA Section 103(a)(3)(C).



Concord, New Hampshire  
October 2, 2023

**AVROBIO, Inc 401k Plan**

STATEMENTS OF NET ASSETS AVAILABLE FOR BENEFITS

December 31, 2022

	<b>December 31</b>	
	<b>2022</b>	<b>2021</b>
<b>Assets</b>		
Investments, at fair value:		
Mutual funds	<b>\$ 7,596,787</b>	\$8,325,590
Receivables:		
Participant contributions	<b>18,768</b>	87,133
Employer contributions	<b>7,531</b>	28,258
Other employer contributions	-	15,941
Notes receivable from participants	<b>113,397</b>	57,744
Total receivables	<b>139,696</b>	189,076
Net assets available for benefits	<b>\$ 7,736,483</b>	\$ 8,514,666

See accompanying notes.

**AVROBIO, Inc 401k Plan**

STATEMENT OF CHANGES IN NET ASSETS AVAILABLE FOR BENEFITS

For the Year Ended December 31, 2022

**Additions to (reductions in) net assets attributed to**

Investment income (loss):	
Net depreciation in fair value of investments	\$ (1,807,277)
Interest and dividends	348,193
Total investment loss, net	<u>(1,459,084)</u>
Interest income on notes receivable from participants	1,775
Contributions:	
Participants	1,416,196
Employer	542,677
Rollover	365,141
Total contributions	<u>2,324,014</u>
Total additions in net assets, net	866,705
<b>Deductions from net assets attributed to</b>	
Benefit payments	1,642,383
Administrative expenses	2,505
Total deductions	<u>1,644,888</u>
Net decrease in net assets available for benefits	(778,183)
Net assets available for benefits, beginning of period	<u>8,514,666</u>
Net assets available for benefits, end of period	<u>\$ 7,736,483</u>

See accompanying notes.

## AVROBIO, Inc 401k Plan

### NOTES TO FINANCIAL STATEMENTS

December 31, 2022

#### 1. **Description of Plan**

The following description of the AVROBIO, Inc 401k Plan (the Plan), provides only general information. Participants should refer to the Plan document and adoption agreement for a more complete description of the Plan's provisions.

##### General

The Plan is a defined contribution 401(k) plan sponsored by AVROBIO, Inc. (the Company). The Plan is subject to the provisions of the *Employee Retirement Income Security Act of 1974* (ERISA).

##### Eligibility and Participation

Substantially, all employees are eligible to participate in the Plan. The Plan excludes residents of Puerto Rico, nonresident aliens, interns, temporary or fixed term contract individuals. The Plan does not have an age requirement or minimum service requirement.

##### Contributions

Participants may elect to contribute to the Plan up to 90% of their eligible compensation subject to the limitations established by the Internal Revenue Service. Participants may elect to rollover pre-tax distributions from other qualified retirement plans. Participants may also elect to make Roth contributions to the Plan.

The Plan provides for a matching contribution for each eligible participant of 50% of the participant's elective deferrals that do not exceed 8% of the participant's compensation.

At the participant's option, contributions may be invested in any of the available investment options. As of December 31, 2021, the options consisted of mutual funds.

##### Participant Accounts

Each participant's account is credited with the participant's contributions, the Company's contributions and allocations of Plan earnings or losses and is charged with an allocation of administrative expenses. Allocations are based on participant earnings or losses or account balances, as defined. The benefit to which a participant is entitled is the benefit that can be provided from the participant's vested account.

##### Vesting

Participants are immediately vested in their deferral and matching contributions, including the earnings on those amounts.

##### Notes Receivable from Participants

The Plan allows participants to borrow against their accounts. Such loans shall not exceed the lesser of \$50,000 or 50% of the participants' vested interest in their account.

## AVROBIO, Inc 401k Plan

### NOTES TO FINANCIAL STATEMENTS (CONTINUED)

#### 1. Description of Plan (Continued)

The Plan has established a minimum loan request of \$1,000 per loan. Loans can be for any purpose with a term not to exceed 5 years, unless it is for the purchase of a primary residence. The interest rates on outstanding loans at December 31, 2022 ranged from 5.25% to 9.50% with various maturities through January 2028. The interest rates on outstanding loans at December 31, 2021 ranged from 5.25% to 6.25% with various maturities through March 2026. Principal and interest are paid ratably through monthly payroll deductions.

#### Plan Administration

The Company is the Plan's Administrator and has the authority to appoint person(s) or entities to carry out the operations of the Plan. ADP Retirement Services serves as the recordkeeper for the Plan and Reliance Trust Company serves as the Plan's trustee. The Company pays certain expenses of the Plan, except for certain administrative costs of mutual funds and loan processing fees which are paid by the Plan. In addition, certain fees incurred by the Plan are covered through a revenue sharing agreement.

#### Benefits

Upon death, disability, or retirement on or after the age 65, participants are entitled to a distribution of the balance of their accounts. Participants may also be entitled to a hardship withdrawal as determined in accordance with the Plan's provisions. Participants may also withdraw any or part of their rollover contributions, at any time and at any age. In addition, participants who have attained the age of 59 ½ may elect to withdraw all or part of their vested account balance from the Plan without penalty. The Plan provides for the direct rollover to an individual retirement account for balances greater than \$1,000 and not more than \$5,000, unless directed otherwise by the participant. The Plan allows the Plan Administrator to automatically distribute to terminated participants their entire vested balance which does not exceed \$1,000 in the form of a single-sum payment.

#### Plan Termination

Although it has not expressed any intent to do so, the Company has the right under the Plan to discontinue its contributions at any time and to terminate or amend the Plan subject to the provisions of ERISA. In the event of Plan termination, participants will become 100% vested in their total balances.

## AVROBIO, Inc 401k Plan

### NOTES TO FINANCIAL STATEMENTS (CONTINUED)

#### 2. Summary of Significant Accounting Policies

##### Basis of Accounting

The financial statements of the Plan are prepared under the accrual basis of accounting.

##### Use of Estimates

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires the Plan Administrator to make estimates and assumptions that affect the reported amounts of net assets available for benefits at the date of the financial statements and the reported amounts of changes in net assets available for benefits during the reporting period. Actual results could differ from those estimates.

##### Investment Valuation and Income Recognition

The Plan's investments are reported at fair value, as described in Note 4. Purchases and sales of securities are recorded on a trade-date basis. Interest income is recorded on the accrual basis. Dividends are recorded on the ex-dividend date.

##### Notes Receivable from Participants

Notes receivable are measured at their unpaid principal balance plus any accrued but unpaid interest. Interest income on notes receivable from participants is recorded when it is earned on an accrual basis. Related fees are recorded as administrative expenses and are expensed when they are incurred. No allowance for credit losses has been recorded as of December 31, 2022. If a participant ceases to make loan repayments and the Plan Administrator deems the participant to be a distribution, the participant loan balance is reduced and a benefit payment is recorded.

##### Benefit Payments

Benefit payments are recorded when paid.

##### Risks and Uncertainties

The Plan provides for various investment securities. Investment securities are exposed to various risks such as interest rate, market volatility, liquidity, and credit risk. Due to the level of risk associated with certain investment securities and the level of uncertainty related to changes in the value of investment securities, it is at least reasonably possible that changes in the value of investment securities in the near term would materially affect participants' account balances and the amounts reported in the statements of net assets available for benefits and the statement of changes in net assets available for benefits.

##### Subsequent Events

Events occurring after the statements of net assets available for plan benefits date are evaluated by the Plan to determine whether such events should be recognized or disclosed in the financial statements. The Plan Administrator has evaluated subsequent events through October 2, 2023 the date the financial statements were available to be issued.

## AVROBIO, Inc 401k Plan

### NOTES TO FINANCIAL STATEMENTS (CONTINUED)

#### 3. Information Certified by Trustee

The Plan Administrator has elected the method of compliance permitted by 29 CFR 2520.103-8 of the United States Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA. Accordingly, as permitted under such election, the Plan Administrator instructed the Plan's independent auditors not to perform any auditing procedures with respect to the information certified by Reliance Trust Company, the trustee, except for comparing such information with the related information included in the accompanying financial statements and supplemental schedule. The Plan Administrator has obtained certifications from Reliance Trust Company, as of December 31, 2022 and 2021, and for the year ended December 31, 2022, stating that the information provided to the Plan Administrator by the trustee is complete and accurate. Such certified Plan information includes investments, notes receivable from participants, net depreciation in fair value of investments, interest and dividends, interest income on notes receivable from participants, investment transactions and note receivable transactions.

#### 4. Fair Value Measurements

The framework for measuring fair value provides a fair value hierarchy that prioritizes the inputs to valuation techniques used to measure fair value. The hierarchy gives the highest priority to unadjusted quoted prices in active markets for identical assets or liabilities (Level 1) and the lowest priority to unobservable inputs (Level 3). The three levels of the fair value hierarchy under FASB ASC 820 are described as follows:

Level 1 – Inputs to the valuation methodology are unadjusted quoted prices for identical assets or liabilities in active exchange markets that the Plan has the ability to access.

Level 2 – Inputs to the valuation method include:

- Quoted prices for similar assets or liabilities in active exchange markets;
- Quoted prices for identical or similar assets or liabilities in inactive markets;
- Inputs other than quoted prices that are observable for the asset or liability;
- Inputs that are derived principally from or corroborated by observable market data by correlation or other means.

If the asset or liability has a specified (contractual) term, the Level 2 input must be observable for substantially the full term of the asset or liability.

Level 3 – Inputs to the valuation methodology are unobservable and significant to the fair value measurement.

The asset's or liability's fair value measurement level within the fair value hierarchy is based on the lowest level of any input that is significant to the fair value measurement. Valuation techniques used need to maximize the use of observable inputs and minimize the use of unobservable inputs.

Following is a description of the valuation methodologies used for assets measured at fair value. There have been no changes in the methodologies used at December 31, 2022.

*Mutual funds:* Valued at the quoted net asset value of shares held by the Plan at period end which are traded in an active market.

**AVROBIO, Inc 401k Plan**

NOTES TO FINANCIAL STATEMENTS (CONTINUED)

**4. Fair Value Measurements (Continued)**

The methods described above may produce a fair value calculation that may not be indicative of net realizable value or reflective of future fair values. Furthermore, while the Plan believes its valuation methods are appropriate and consistent with other market participants, the use of different methodologies or assumptions to determine the fair value of certain financial instruments could result in a different fair value measurement at the reporting date.

The following tables set forth by level, within the fair value hierarchy, the Plan’s assets at fair value as of December 31, as follows:

	<b>Investments at Fair Value as of December 31, 2022</b>			
	<b>Level 1</b>	<b>Level 2</b>	<b>Level 3</b>	<b>Total</b>
Mutual Funds	<b>\$ 7,596,787</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 7,596,787</b>
Investments, at fair value	<b>\$ 7,596,787</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 7,596,787</b>

	<b>Investments at Fair Value as of December 31, 2021</b>			
	<b>Level 1</b>	<b>Level 2</b>	<b>Level 3</b>	<b>Total</b>
Mutual Funds	<b>\$ 8,325,590</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 8,325,590</b>
Investments, at fair value	<b>\$ 8,325,590</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 8,325,590</b>

**5. Tax Status**

The Plan adopted a non-standardized form of a prototype plan sponsored by Automated Data Processing. The prototype plan has received an opinion letter from the Internal Revenue Service (IRS) as to the prototype plan’s qualified status, dated October 6, 2020. The prototype plan opinion letter has been relied upon by this Plan. Plan management has indicated that it will take the necessary steps, if any, to bring the Plan’s operations into compliance with the Code.

Accounting principles generally accepted in the United States of America require Plan management to evaluate tax positions taken by the Plan and recognize a tax liability (or asset) if the organization has taken an uncertain position that more likely than not would not be sustained upon examination by the IRS. The Plan Administrator has analyzed the tax positions taken by the Plan, and has concluded that as of December 31, 2022, there are no uncertain positions taken or expected to be taken that would require recognition of a liability (or asset) or disclosure in the financial statements. The Plan is subject to routine audits by taxing jurisdictions; however, there are currently no audits for any tax periods in progress.

**6. Related-Party and Party-in-Interest Transactions**

Certain administrative expenses are included in net depreciation in fair value of investments on the state of changes in net assets available for benefits, as they are paid through revenue sharing, rather than direct payment. In addition, loans to participants qualify as party-in-interest transactions. Other direct

**AVROBIO, Inc 401k Plan**

NOTES TO FINANCIAL STATEMENTS (CONTINUED)

**6. Related-Party and Party-in-Interest Transactions (Continued)**

Administrative expenses paid to ADP and the investment advisor were charged to the Plan as of December 31, 2022, totaling \$2,505.

**7. Other Employer Contributions Receivable**

In 2021, 2020 and 2019, it was determined that the Plan was not operating in accordance with the Plan adoption agreement as it relates to the definition of Plan compensation. Accordingly, the Plan Sponsor calculated and recorded other employer contributions receivable to correct the operational failures. Other employer contributions receivable totaled \$15,941 at December 31, 2021.

**8. Reconciliation between the Form 5500 and the Financial Statements**

	<b>December 31</b>	
	<b>2022</b>	<b>2021</b>
Net assets available for benefits per the Form 5500	<b>\$7,710,184</b>	\$8,383,334
Add: Employee contributions receivable	<b>18,768</b>	87,133
Add: Employer contributions receivable	<b>7,531</b>	28,258
Add: Other employer contributions receivable	<b>-</b>	15,941
Net assets available for benefits per the financial statements	<b>\$7,736,483</b>	\$8,514,666

The following is a reconciliation of net change per the Form 5500 to the net increase per the financial statements for the year ended December 31, 2022:

Net loss per the Form 5500	\$ (673,150)
Add: Employee contributions receivable at December 31, 2022	18,768
Add: Employer contributions receivable at December 31, 2022	7,531
Less: Employee contributions receivable at December 31, 2021	(87,133)
Less: Employer contributions receivable at December 31, 2021	(28,258)
Less: Other employer contributions receivable at December 31, 2021	(15,941)
Net decrease per the financial statements	\$ (778,183)

## Supplemental Schedule

**AVROBIO, Inc 401k Plan**

SCHEDULE H, LINE 4i – SCHEDULE OF ASSETS (HELD AT END OF PERIOD)

Plan Sponsor ID # 81-0710585  
Plan # 001

December 31, 2022

(a)	(b)	(c)	(d)	(e)
	Identity of Issue, Borrower, Lessor or Similar Party	Including Maturity Date, Rate of Interest, Collateral, Par or Maturity Value	Cost	Current Value
	Mutual Funds:			
	American Funds 2045 Target Date Ret R	32,008 shares		522,052
	American Funds 2015 Target Date Ret R	18,988 shares		214,560
	Vanguard Value Index Fund Adm	3,758 shares		205,782
	Vanguard Short Term Inv Gr Ad	1,107 shares		11,015
	Vanguard Federal MM Inv	55,074 shares		55,074
	American Funds 2055 Target R6	18,758 shares		374,590
	American Funds 2020 Target Date Ret R	12 shares		146
	American Funds 2060 Target Date Ret R	6,519 shares		87,944
	Fidelity 500 Index	8,183 shares		1,089,380
	American Funds New World R6	751 shares		49,847
	PGIM High Yield Fund R6	10,204 shares		46,326
	Vanguard Intl Growth Adm	141 shares		12,759
	American Funds 2050 Target Dat Ret R	19,121 shares		304,593
	Delaware Ivy Mid Cap Growth R	8,090 shares		219,574
	American Funds 2025 Target Date Ret R	30,645 shares		414,630
	Vanguard International Value – Inv	612 shares		21,879
	AB Large Cap Growth Fund Z	6,016 shares		420,008
	American Funds 2030 Target Date Ret R	69,940 shares		1,020,425
	Vanguard Star – Inv	805 shares		19,458
	Victory Established Value R6	4,044 shares		180,949
	Vanguard Small Cap Index Adm	2,653 shares		233,291
	Vanguard Dev Market Index Adm	2,237 shares		30,238
	Vanguard Global Equity – Inv	5,756 shares		153,927
	American Funds 2040 Target Date Ret R	28,266 shares		452,540
	Vanguard Intermediate Term B0	29,150 shares		293,831
	American Funds 2035 Target Date Ret R	72,160 shares		1,121,362
	Vanguard Small Cap Value Index Adm	595 shares		40,607
				<u>7,596,787</u>
*	Participant Loans	(5.25% to 9.50%)		<u>113,397</u>
	Total			<u>\$7,710,184</u>

\*Represents a party-in-interest to the Plan.

\*\*Cost information is not required for participant-directed investments.

The above information has been certified by Reliance Trust Company, the trustee, as complete and accurate.

**SCHEDULE H  
(Form 5500)**

Department of the Treasury  
Internal Revenue Service

Department of Labor  
Employee Benefits Security Administration

Pension Benefit Guaranty Corporation

**Financial Information**

This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA), and section 6058(a) of the Internal Revenue Code (the Code).

▶ **File as an attachment to Form 5500.**

OMB No. 1210-0110

**2022**

**This Form is Open to Public Inspection**

For calendar plan year 2022 or fiscal plan year beginning and ending

<b>A</b> Name of plan	<b>B</b> Three-digit plan number (PN) ▶	
<b>C</b> Plan sponsor's name as shown on line 2a of Form 5500	<b>D</b> Employer Identification Number (EIN)	

**Part I Asset and Liability Statement**

**1** Current value of plan assets and liabilities at the beginning and end of the plan year. Combine the value of plan assets held in more than one trust. Report the value of the plan's interest in a commingled fund containing the assets of more than one plan on a line-by-line basis unless the value is reportable on lines 1c(9) through 1c(14). Do not enter the value of that portion of an insurance contract which guarantees, during this plan year, to pay a specific dollar benefit at a future date. **Round off amounts to the nearest dollar.** MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 1b(1), 1b(2), 1c(8), 1g, 1h, and 1i. CCTs, PSAs, and 103-12 IEs also do not complete lines 1d and 1e. See instructions.

Assets	(a) Beginning of Year	(b) End of Year
<b>a</b> Total noninterest-bearing cash.....	<b>1a</b>	
<b>b</b> Receivables (less allowance for doubtful accounts):		
<b>(1)</b> Employer contributions .....	<b>1b(1)</b>	
<b>(2)</b> Participant contributions.....	<b>1b(2)</b>	
<b>(3)</b> Other .....	<b>1b(3)</b>	
<b>c</b> General investments:		
<b>(1)</b> Interest-bearing cash (include money market accounts & certificates of deposit) .....	<b>1c(1)</b>	
<b>(2)</b> U.S. Government securities .....	<b>1c(2)</b>	
<b>(3)</b> Corporate debt instruments (other than employer securities):		
<b>(A)</b> Preferred .....	<b>1c(3)(A)</b>	
<b>(B)</b> All other.....	<b>1c(3)(B)</b>	
<b>(4)</b> Corporate stocks (other than employer securities):		
<b>(A)</b> Preferred.....	<b>1c(4)(A)</b>	
<b>(B)</b> Common .....	<b>1c(4)(B)</b>	
<b>(5)</b> Partnership/joint venture interests .....	<b>1c(5)</b>	
<b>(6)</b> Real estate (other than employer real property) .....	<b>1c(6)</b>	
<b>(7)</b> Loans (other than to participants).....	<b>1c(7)</b>	
<b>(8)</b> Participant loans .....	<b>1c(8)</b>	
<b>(9)</b> Value of interest in common/collective trusts .....	<b>1c(9)</b>	
<b>(10)</b> Value of interest in pooled separate accounts .....	<b>1c(10)</b>	
<b>(11)</b> Value of interest in master trust investment accounts.....	<b>1c(11)</b>	
<b>(12)</b> Value of interest in 103-12 investment entities .....	<b>1c(12)</b>	
<b>(13)</b> Value of interest in registered investment companies (e.g., mutual funds) .....	<b>1c(13)</b>	
<b>(14)</b> Value of funds held in insurance company general account (unallocated contracts).....	<b>1c(14)</b>	
<b>(15)</b> Other.....	<b>1c(15)</b>	

		(a) Beginning of Year	(b) End of Year
<b>1d</b>	Employer-related investments:		
(1)	Employer securities.....	<b>1d(1)</b>	
(2)	Employer real property.....	<b>1d(2)</b>	
<b>e</b>	Buildings and other property used in plan operation.....	<b>1e</b>	
<b>f</b>	Total assets (add all amounts in lines 1a through 1e).....	<b>1f</b>	
<b>Liabilities</b>			
<b>g</b>	Benefit claims payable.....	<b>1g</b>	
<b>h</b>	Operating payables.....	<b>1h</b>	
<b>i</b>	Acquisition indebtedness.....	<b>1i</b>	
<b>j</b>	Other liabilities.....	<b>1j</b>	
<b>k</b>	Total liabilities (add all amounts in lines 1g through 1j).....	<b>1k</b>	
<b>Net Assets</b>			
<b>l</b>	Net assets (subtract line 1k from line 1f).....	<b>1l</b>	

**Part II Income and Expense Statement**

**2** Plan income, expenses, and changes in net assets for the year. Include all income and expenses of the plan, including any trust(s) or separately maintained fund(s) and any payments/receipts to/from insurance carriers. Round off amounts to the nearest dollar. MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 2a, 2b(1)(E), 2e, 2f, and 2g.

		(a) Amount	(b) Total
<b>Income</b>			
<b>a</b>	<b>Contributions:</b>		
(1)	Received or receivable in cash from: <b>(A)</b> Employers.....	<b>2a(1)(A)</b>	
	<b>(B)</b> Participants.....	<b>2a(1)(B)</b>	
	<b>(C)</b> Others (including rollovers).....	<b>2a(1)(C)</b>	
(2)	Noncash contributions.....	<b>2a(2)</b>	
(3)	Total contributions. Add lines <b>2a(1)(A)</b> , <b>(B)</b> , <b>(C)</b> , and line <b>2a(2)</b> .....	<b>2a(3)</b>	
<b>b</b>	<b>Earnings on investments:</b>		
(1)	Interest:		
	<b>(A)</b> Interest-bearing cash (including money market accounts and certificates of deposit).....	<b>2b(1)(A)</b>	
	<b>(B)</b> U.S. Government securities.....	<b>2b(1)(B)</b>	
	<b>(C)</b> Corporate debt instruments.....	<b>2b(1)(C)</b>	
	<b>(D)</b> Loans (other than to participants).....	<b>2b(1)(D)</b>	
	<b>(E)</b> Participant loans.....	<b>2b(1)(E)</b>	
	<b>(F)</b> Other.....	<b>2b(1)(F)</b>	
	<b>(G)</b> Total interest. Add lines <b>2b(1)(A)</b> through <b>(F)</b> .....	<b>2b(1)(G)</b>	
(2)	Dividends: <b>(A)</b> Preferred stock.....	<b>2b(2)(A)</b>	
	<b>(B)</b> Common stock.....	<b>2b(2)(B)</b>	
	<b>(C)</b> Registered investment company shares (e.g. mutual funds).....	<b>2b(2)(C)</b>	
	<b>(D)</b> Total dividends. Add lines <b>2b(2)(A)</b> , <b>(B)</b> , and <b>(C)</b> .....	<b>2b(2)(D)</b>	
(3)	Rents.....	<b>2b(3)</b>	
(4)	Net gain (loss) on sale of assets: <b>(A)</b> Aggregate proceeds.....	<b>2b(4)(A)</b>	
	<b>(B)</b> Aggregate carrying amount (see instructions).....	<b>2b(4)(B)</b>	
	<b>(C)</b> Subtract line <b>2b(4)(B)</b> from line <b>2b(4)(A)</b> and enter result.....	<b>2b(4)(C)</b>	
(5)	Unrealized appreciation (depreciation) of assets: <b>(A)</b> Real estate.....	<b>2b(5)(A)</b>	
	<b>(B)</b> Other.....	<b>2b(5)(B)</b>	
	<b>(C)</b> Total unrealized appreciation of assets. Add lines <b>2b(5)(A)</b> and <b>(B)</b> .....	<b>2b(5)(C)</b>	

		(a) Amount	(b) Total
(6) Net investment gain (loss) from common/collective trusts.....	2b(6)		
(7) Net investment gain (loss) from pooled separate accounts.....	2b(7)		
(8) Net investment gain (loss) from master trust investment accounts .....	2b(8)		
(9) Net investment gain (loss) from 103-12 investment entities .....	2b(9)		
(10) Net investment gain (loss) from registered investment companies (e.g., mutual funds) .....	2b(10)		
c Other income .....	2c		
d Total income. Add all <b>income</b> amounts in column (b) and enter total.....	2d		

**Expenses**

e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers.....	2e(1)		
(2) To insurance carriers for the provision of benefits .....	2e(2)		
(3) Other.....	2e(3)		
(4) Total benefit payments. Add lines 2e(1) through (3) .....	2e(4)		
f Corrective distributions (see instructions) .....	2f		
g Certain deemed distributions of participant loans (see instructions).....	2g		
h Interest expense.....	2h		
i Administrative expenses: (1) Professional fees .....	2i(1)		
(2) Contract administrator fees .....	2i(2)		
(3) Investment advisory and management fees .....	2i(3)		
(4) Other.....	2i(4)		
(5) Total administrative expenses. Add lines 2i(1) through (4) .....	2i(5)		
j Total expenses. Add all <b>expense</b> amounts in column (b) and enter total.....	2j		

**Net Income and Reconciliation**

k Net income (loss). Subtract line 2j from line 2d.....	2k		
l Transfers of assets:			
(1) To this plan.....	2l(1)		
(2) From this plan .....	2l(2)		

**Part III Accountant's Opinion**

3 Complete lines 3a through 3c if the opinion of an independent qualified public accountant is attached to this Form 5500. Complete line 3d if an opinion is not attached.

a The attached opinion of an independent qualified public accountant for this plan is (see instructions):

(1)  Unmodified (2)  Qualified (3)  Disclaimer (4)  Adverse

b Check the appropriate box(es) to indicate whether the IQPA performed an ERISA section 103(a)(3)(C) audit. Check both boxes (1) and (2) if the audit was performed pursuant to both 29 CFR 2520.103-8 and 29 CFR 2520.103-12(d). Check box (3) if pursuant to neither.

(1)  DOL Regulation 2520.103-8 (2)  DOL Regulation 2520.103-12(d) (3)  neither DOL Regulation 2520.103-8 nor DOL Regulation 2520.103-12(d).

c Enter the name and EIN of the accountant (or accounting firm) below:

(1) Name:

(2) EIN:

d The opinion of an independent qualified public accountant is **not attached** because:

(1)  This form is filed for a CCT, PSA, or MTIA. (2)  It will be attached to the next Form 5500 pursuant to 29 CFR 2520.104-50.

**Part IV Compliance Questions**

4 CCTs and PSAs do not complete Part IV. MTIAs, 103-12 IEs, and GIAs do not complete lines 4a, 4e, 4f, 4g, 4h, 4k, 4m, 4n, or 5. 103-12 IEs also do not complete lines 4j and 4l. MTIAs also do not complete line 4l.

During the plan year:

a Was there a failure to transmit to the plan any participant contributions within the time period described in 29 CFR 2510.3-102? Continue to answer "Yes" for any prior year failures until fully corrected. (See instructions and DOL's Voluntary Fiduciary Correction Program.) .....

	Yes	No	Amount
4a			

	Yes	No	Amount
<b>b</b> Were any loans by the plan or fixed income obligations due the plan in default as of the close of the plan year or classified during the year as uncollectible? Disregard participant loans secured by participant's account balance. (Attach Schedule G (Form 5500) Part I if "Yes" is checked.) .....			
<b>4b</b>			
<b>c</b> Were any leases to which the plan was a party in default or classified during the year as uncollectible? (Attach Schedule G (Form 5500) Part II if "Yes" is checked.) .....			
<b>4c</b>			
<b>d</b> Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 4a. Attach Schedule G (Form 5500) Part III if "Yes" is checked.) .....			
<b>4d</b>			
<b>e</b> Was this plan covered by a fidelity bond? .....			
<b>4e</b>			
<b>f</b> Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty? .....			
<b>4f</b>			
<b>g</b> Did the plan hold any assets whose current value was neither readily determinable on an established market nor set by an independent third party appraiser? .....			
<b>4g</b>			
<b>h</b> Did the plan receive any noncash contributions whose value was neither readily determinable on an established market nor set by an independent third party appraiser? .....			
<b>4h</b>			
<b>i</b> Did the plan have assets held for investment? (Attach schedule(s) of assets if "Yes" is checked, and see instructions for format requirements.).....			
<b>4i</b>			
<b>j</b> Were any plan transactions or series of transactions in excess of 5% of the current value of plan assets? (Attach schedule of transactions if "Yes" is checked and see instructions for format requirements.).....			
<b>4j</b>			
<b>k</b> Were all the plan assets either distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC? .....			
<b>4k</b>			
<b>l</b> Has the plan failed to provide any benefit when due under the plan? .....			
<b>4l</b>			
<b>m</b> If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.).....			
<b>4m</b>			
<b>n</b> If 4m was answered "Yes," check the "Yes" box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3.....			
<b>4n</b>			

**5a** Has a resolution to terminate the plan been adopted during the plan year or any prior plan year?.....  Yes  No  
 If "Yes," enter the amount of any plan assets that reverted to the employer this year \_\_\_\_\_.

**5b** If, during this plan year, any assets or liabilities were transferred from this plan to another plan(s), identify the plan(s) to which assets or liabilities were transferred. (See instructions.)

5b(1) Name of plan(s)	5b(2) EIN(s)	5b(3) PN(s)

**5c** Was the plan a defined benefit plan covered under the PBGC insurance program at any time during this plan year? (See ERISA section 4021 and instructions.) .....  Yes  No  Not determined  
 If "Yes" is checked, enter the My PAA confirmation number from the PBGC premium filing for this plan year \_\_\_\_\_.

**Attachment to 2022 Form 5500**  
**Schedule H, line 4i - Schedule of Assets (Held at End of Year)**

**Plan Name** AVROBIO, INC 401K PLAN  
**Plan Sponsor's Name** AVROBIO, INC

**EIN:** 81-0710585  
**PN:** 001

(a)	(b) Identity of issue, borrower, lessor, or similar party	(c) Description of investment including maturity date, rate of interest, collateral, par, or maturity value.	(d) Cost	(e) Current value
	PARTICIPANT LOANS	INTEREST RATES ( 5.25% TO 9.50%)		113,397
	AMERFUNDS 2045 TARG DATERET R6	REGISTERED INVESTMENT COMPANY		522,052
	AMERFUNDS 2015 TARG DATERET R6	REGISTERED INVESTMENT COMPANY		214,560
	VANGUARD VALUE INDEX FUND ADMR	REGISTERED INVESTMENT COMPANY		205,782
	VANGUARD SHORT TERM INV GR ADM	REGISTERED INVESTMENT COMPANY		11,015
	VANGUARD FEDERAL MM INV	REGISTERED INVESTMENT COMPANY		55,074
	AMERICAN FUNDS 2055 TARGET R6	REGISTERED INVESTMENT COMPANY		374,590

**Attachment to 2022 Form 5500**  
**Schedule H, line 4i - Schedule of Assets (Held at End of Year)**

**Plan Name** AVROBIO, INC 401K PLAN  
**Plan Sponsor's Name** AVROBIO, INC

**EIN:** 81-0710585  
**PN:** 001

(a)	(b) Identity of issue, borrower, lessor, or similar party	(c) Description of investment including maturity date, rate of interest, collateral, par, or maturity value.	(d) Cost	(e) Current value
	AMERFUNDS 2020 TARG DATERET R6	REGISTERED INVESTMENT COMPANY		146
	AMERFUNDS 2060 TARG DATERET R6	REGISTERED INVESTMENT COMPANY		87,944
	FID 500 IND	REGISTERED INVESTMENT COMPANY		1,089,380
	AMERICAN FUNDS NEW WORLD R6	REGISTERED INVESTMENT COMPANY		49,847
	PGIM HIGH YIELD FUND R6	REGISTERED INVESTMENT COMPANY		46,326
	VANGUARD INTL GRTH ADM	REGISTERED INVESTMENT COMPANY		12,759
	AMERFUNDS 2050 TARG DATERET R6	REGISTERED INVESTMENT COMPANY		304,593

**Attachment to 2022 Form 5500**  
**Schedule H, line 4i - Schedule of Assets (Held at End of Year)**

**Plan Name** AVROBIO, INC 401K PLAN  
**Plan Sponsor's Name** AVROBIO, INC

**EIN:** 81-0710585  
**PN:** 001

(a)	(b) Identity of issue, borrower, lessor, or similar party	(c) Description of investment including maturity date, rate of interest, collateral, par, or maturity value.	(d) Cost	(e) Current value
	DELAWARE IVY MID CAP GROWTH R6	REGISTERED INVESTMENT COMPANY		219,574
	AMERFUNDS 2025 TARG DATERET R6	REGISTERED INVESTMENT COMPANY		414,630
	VAN INTERNATIONAL VALUE - INV	REGISTERED INVESTMENT COMPANY		21,879
	AB LARGE CAP GROWTH FUND Z	REGISTERED INVESTMENT COMPANY		420,008
	AMERFUNDS 2030 TARG DATERET R6	REGISTERED INVESTMENT COMPANY		1,020,425
	VAN STAR - INV	REGISTERED INVESTMENT COMPANY		19,458
	VICTORY ESTABLISHED VALUE R6	REGISTERED INVESTMENT COMPANY		180,949

**Attachment to 2022 Form 5500**  
**Schedule H, line 4i - Schedule of Assets (Held at End of Year)**

**Plan Name** AVROBIO, INC 401K PLAN  
**Plan Sponsor's Name** AVROBIO, INC

**EIN:** 81-0710585  
**PN:** 001

(a)	(b) Identity of issue, borrower, lessor, or similar party	(c) Description of investment including maturity date, rate of interest, collateral, par, or maturity value.	(d) Cost	(e) Current value
	VANGUARD SMALL CAP INDEX ADMRL	REGISTERED INVESTMENT COMPANY		233,291
	VANGUARD DEV MKT INDEX ADMIRAL	REGISTERED INVESTMENT COMPANY		30,238
	VAN GLOBAL EQUITY - INV	REGISTERED INVESTMENT COMPANY		153,927
	AMERFUNDS 2040 TARG DATERET R6	REGISTERED INVESTMENT COMPANY		452,540
	VANGUARD INTERMEDIATE TERM BON	REGISTERED INVESTMENT COMPANY		293,831
	AMERFUNDS 2035 TARG DATERET R6	REGISTERED INVESTMENT COMPANY		1,121,362
	VANGUARD SM CAP VAL INDEX ADM	REGISTERED INVESTMENT COMPANY		40,607