

Form 5500 Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Annual Return/Report of Employee Benefit Plan 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). ▶ Complete all entries in accordance with the instructions to the Form 5500.	OMB Nos. 1210-0110 1210-0089 2022 This Form is Open to Public Inspection
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Part I	Annual Report Identification Information
For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022	
A This return/report is for:	☐ a multiemployer plan ☐ a multiple-employer plan (Filers checking this box must attach a list of participating employer information in accordance with the form instructions.) ☒ a single-employer plan ☐ a DFE (specify) _____
B This return/report is:	☐ the first return/report ☐ the final return/report ☐ an amended return/report ☐ a short plan year return/report (less than 12 months)
C If the plan is a collectively-bargained plan, check here.	☐
D Check box if filing under:	☒ Form 5558 ☐ automatic extension ☐ the DFVC program ☐ special extension (enter description)
E If this is a retroactively adopted plan permitted by SECURE Act section 201, check here.	☐

Part II	Basic Plan Information —enter all requested information
1a Name of plan ARCTURUS THERAPEUTICS, INC. 401(K) PLAN	1b Three-digit plan number (PN) ▶ 001
	1c Effective date of plan 01/01/2017
2a 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) ARCTURUS THERAPEUTICS, INC. 10628 SCIENCE CENTER DRIVE SUITE 250 SAN DIEGO, CA 92121	2b Employer Identification Number (EIN) 46-1981974 2c Plan Sponsor's telephone number 858-900-2660 2d Business code (see instructions) 541700

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.

SIGN HERE	Filed with authorized/valid electronic signature.	10/12/2023	NATASHA BOWMAN
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE			
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor
SIGN HERE			
	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

3a Plan administrator's name and address ☒ Same as Plan Sponsor		3b Administrator's EIN
		3c Administrator's telephone number
4 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: a Sponsor's name c Plan Name		4b EIN 4d PN
5 Total number of participants at the beginning of the plan year		5 190
6 Number of participants as of the end of the plan year unless otherwise stated (welfare plans complete only lines 6a(1) , 6a(2) , 6b , 6c , and 6d).		
a(1) Total number of active participants at the beginning of the plan year		6a(1) 167
a(2) Total number of active participants at the end of the plan year		6a(2) 170
b Retired or separated participants receiving benefits		6b 0
c Other retired or separated participants entitled to future benefits.....		6c 49
d Subtotal. Add lines 6a(2) , 6b , and 6c		6d 219
e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits.		6e 0
f Total. Add lines 6d and 6e		6f 219
g Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item).....		6g 213
h Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested.....		6h 33
7 Enter the total number of employers obligated to contribute to the plan (only multiemployer plans complete this item)		7
8a If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristics Codes in the instructions: 2F 2G 2J 2S 2T 2E 2K 3D 2R		
b If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristics Codes in the instructions:		
9a Plan funding arrangement (check all that apply) (1) ☐ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor		9b Plan benefit arrangement (check all that apply) (1) ☐ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor
10 Check all applicable boxes in 10a and 10b to indicate which schedules are attached, and, where indicated, enter the number attached. (See instructions)		
a Pension Schedules (1) ☒ R (Retirement Plan Information) (2) ☐ MB (Multiemployer Defined Benefit Plan and Certain Money Purchase Plan Actuarial Information) - signed by the plan actuary (3) ☐ SB (Single-Employer Defined Benefit Plan Actuarial Information) - signed by the plan actuary		b General Schedules (1) ☒ H (Financial Information) (2) ☐ I (Financial Information – Small Plan) (3) ☐ 0 A (Insurance Information) (4) ☒ C (Service Provider Information) (5) ☐ D (DFE/Participating Plan Information) (6) ☐ G (Financial Transaction Schedules)

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

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.

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

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 _____

SCHEDULE C (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Service Provider Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ▶ 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 01/01/2022 and ending 12/31/2022		
A Name of plan ARCTURUS THERAPEUTICS, INC. 401(K) PLAN	B Three-digit plan number (PN) ▶	001
C Plan sponsor's name as shown on line 2a of Form 5500 ARCTURUS THERAPEUTICS, INC.	D Employer Identification Number (EIN) 46-1981974	

Part I	Service Provider Information (see instructions)
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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
FIDELITY INVESTMENTS INSTITUTIONAL
04-2647786

(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)

FIDELITY INVESTMENTS INSTITUTIONAL

04-2647786

(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 60 64 65	RECORDKEEPER	8714	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☒ No ☐

(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 ☐ No ☐	Yes ☐ No ☐		Yes ☐ No ☐

(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 ☐ No ☐	Yes ☐ No ☐		Yes ☐ No ☐

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.

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
FIDELITY INVESTMENTS INSTITUTIONAL	60	0
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
J H GLB LIFE SCI I - JANUS HENDERS 151 DETROIT STREET, DENVER, CO 80206	0.10%	

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
FIDELITY INVESTMENTS INSTITUTIONAL	60	0
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
TRP QM US SM-CP GR - T. ROWE PRICE 52-2269240	0.15%	

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	(e) 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.

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

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

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 <u>01/01/2022</u> and ending <u>12/31/2022</u>		
A Name of plan <u>ARCTURUS THERAPEUTICS, INC. 401(K) PLAN</u>		B Three-digit plan number (PN) <u>001</u>
C Plan sponsor's name as shown on line 2a of Form 5500 <u>ARCTURUS THERAPEUTICS, INC.</u>		D Employer Identification Number (EIN) <u>46-1981974</u>

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
a Total noninterest-bearing cash.....	1a	0	0
b Receivables (less allowance for doubtful accounts):			
(1) Employer contributions.....	1b(1)	0	0
(2) Participant contributions.....	1b(2)	0	0
(3) Other.....	1b(3)	0	0
c General investments:			
(1) Interest-bearing cash (include money market accounts & certificates of deposit).....	1c(1)	174283	133842
(2) U.S. Government securities	1c(2)	0	0
(3) Corporate debt instruments (other than employer securities):			
(A) Preferred	1c(3)(A)	0	0
(B) All other	1c(3)(B)	0	0
(4) Corporate stocks (other than employer securities):			
(A) Preferred	1c(4)(A)	0	0
(B) Common.....	1c(4)(B)	108922	0
(5) Partnership/joint venture interests	1c(5)	0	0
(6) Real estate (other than employer real property)	1c(6)	0	0
(7) Loans (other than to participants).....	1c(7)	0	0
(8) Participant loans.....	1c(8)	8465	82140
(9) Value of interest in common/collective trusts.....	1c(9)	0	0
(10) Value of interest in pooled separate accounts	1c(10)	0	0
(11) Value of interest in master trust investment accounts.....	1c(11)	0	0
(12) Value of interest in 103-12 investment entities	1c(12)	0	0
(13) Value of interest in registered investment companies (e.g., mutual funds).....	1c(13)	6233973	7848857
(14) Value of funds held in insurance company general account (unallocated contracts).....	1c(14)	0	0
(15) Other	1c(15)	0	267258

1d Employer-related investments:		(a) Beginning of Year	(b) End of Year
(1) Employer securities	1d(1)	0	0
(2) Employer real property	1d(2)	0	0
e Buildings and other property used in plan operation	1e	0	0
f Total assets (add all amounts in lines 1a through 1e)	1f	6525643	8332097

Liabilities

g Benefit claims payable	1g	0	0
h Operating payables	1h	0	0
i Acquisition indebtedness	1i	0	0
j Other liabilities	1j	0	0
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	6525643	8332097
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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:			
(1) Received or receivable in cash from: (A) Employers.....	2a(1)(A)	424157	
(B) Participants.....	2a(1)(B)	2356910	
(C) Others (including rollovers).....	2a(1)(C)	521384	
(2) Noncash contributions.....	2a(2)	0	3302451
(3) Total contributions. Add lines 2a(1)(A) , (B) , (C) , and line 2a(2)	2a(3)		
b Earnings on investments:			
(1) Interest:			
(A) Interest-bearing cash (including money market accounts and certificates of deposit).....	2b(1)(A)	3361	
(B) U.S. Government securities.....	2b(1)(B)	0	
(C) Corporate debt instruments.....	2b(1)(C)	0	
(D) Loans (other than to participants).....	2b(1)(D)	0	
(E) Participant loans.....	2b(1)(E)	1807	
(F) Other.....	2b(1)(F)	0	
(G) Total interest. Add lines 2b(1)(A) through (F)	2b(1)(G)		5168
(2) Dividends: (A) Preferred stock.....	2b(2)(A)	0	
(B) Common stock.....	2b(2)(B)	0	
(C) Registered investment company shares (e.g. mutual funds).....	2b(2)(C)	159276	
(D) Total dividends. Add lines 2b(2)(A) , (B) , and (C)	2b(2)(D)		159276
(3) Rents.....	2b(3)		0
(4) Net gain (loss) on sale of assets: (A) Aggregate proceeds.....	2b(4)(A)	0	
(B) Aggregate carrying amount (see instructions).....	2b(4)(B)	0	
(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)	0	
(B) Other.....	2b(5)(B)	0	
(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)		0
(7) Net investment gain (loss) from pooled separate accounts	2b(7)		0
(8) Net investment gain (loss) from master trust investment accounts	2b(8)		0
(9) Net investment gain (loss) from 103-12 investment entities.....	2b(9)		0
(10) Net investment gain (loss) from registered investment companies (e.g., mutual funds)	2b(10)		-1435212
c Other income	2c		13344
d Total income. Add all income amounts in column (b) and enter total	2d		2045027
Expenses			
e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers	2e(1)	222340	
(2) To insurance carriers for the provision of benefits	2e(2)	0	
(3) Other	2e(3)	0	
(4) Total benefit payments. Add lines 2e(1) through (3)	2e(4)		222340
f Corrective distributions (see instructions)	2f		5419
g Certain deemed distributions of participant loans (see instructions)	2g		0
h Interest expense	2h		0
i Administrative expenses: (1) Professional fees	2i(1)	0	
(2) Contract administrator fees	2i(2)	0	
(3) Investment advisory and management fees	2i(3)	2100	
(4) Other	2i(4)	8714	
(5) Total administrative expenses. Add lines 2i(1) through (4)	2i(5)		10814
j Total expenses. Add all expense amounts in column (b) and enter total	2j		238573
Net Income and Reconciliation			
k Net income (loss). Subtract line 2j from line 2d	2k		1806454
l 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: LAVINE LOFGREN MORRIS & ENGELBERG

(2) EIN: 33-0690020

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 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.)			
4b		X	
c 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.)			
4c		X	
d 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.)			
4d		X	
e Was this plan covered by a fidelity bond?	X		500000
f Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?		X	
4f		X	
g 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?			
4g		X	
h 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?			
4h		X	
i Did the plan have assets held for investment? (Attach schedule(s) of assets if "Yes" is checked, and see instructions for format requirements.)	X		
4i	X		
j 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.)			
4j		X	
k Were all the plan assets either distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC?			
4k		X	
l Has the plan failed to provide any benefit when due under the plan?			
4l		X	
m If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)			
4m		X	
n 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.			
4n			

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 _____.

SCHEDULE R (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Retirement Plan Information 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). ► 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 01/01/2022 and ending 12/31/2022		
A Name of plan ARCTURUS THERAPEUTICS, INC. 401(K) PLAN		B Three-digit plan number (PN) ► 001
C Plan sponsor's name as shown on line 2a of Form 5500 ARCTURUS THERAPEUTICS, INC.		D Employer Identification Number (EIN) 46-1981974
Part I	Distributions	
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
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): 04-6568107		
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
Part II	Funding Information (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.		
6 a Enter the minimum required contribution for this plan year (include any prior year accumulated funding deficiency not waived).....		6a
b Enter the amount contributed by the employer to the plan for this plan year.....		6b
c 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).....		6c
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		
Part III	Amendments	
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		
Part IV	ESOPs (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		
For Paperwork Reduction Act Notice, see the Instructions for Form 5500.		
Schedule R (Form 5500) 2022 v. 220413		

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:		
	a The current plan year. Check the box to indicate the counting method used to determine the number of inactive participants: ☐ last contributing employer ☐ alternative ☐ reasonable approximation (see instructions for required attachment).....	14a	
	b The plan year immediately preceding the current plan year. ☐ Check the box if the number reported is a change from what was previously reported (see instructions for required attachment)	14b	
	c The second preceding plan year. ☐ Check the box if the number reported is a change from what was previously reported (see instructions for required attachment)	14c	
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:		
	a The corresponding number for the plan year immediately preceding the current plan year.....	15a	
	b The corresponding number for the second preceding plan year.....	15b	
16	Information with respect to any employers who withdrew from the plan during the preceding plan year:		
	a Enter the number of employers who withdrew during the preceding plan year	16a	
	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.....	16b	
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
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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 _____

**ARCTURUS THERAPEUTICS, INC.
401(K) PLAN**

**INDEPENDENT AUDITORS' REPORT,
FINANCIAL STATEMENTS, AND
SUPPLEMENTAL SCHEDULE**

For the Year Ended December 31, 2022

ARCTURUS THERAPEUTICS, INC. 401(K) PLAN

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**LAVINE, LOFGREN, MORRIS
& ENGELBERG, LLP**

**CERTIFIED
PUBLIC
ACCOUNTANTS**

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INDEPENDENT AUDITORS' REPORT

To the Plan Administrator
Arcturus Therapeutics, Inc. 401(k) Plan
San Diego, California

Scope and Nature of the ERISA Section 103(a)(3)(C) Audit of the 2022 Financial Statements

We have performed an audit of the financial statements of Arcturus Therapeutics, Inc. 401(k) Plan (the "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) (an "ERISA 103(a)(3)(C) audit"). The financial statements comprise the statement of net assets available for benefits as of December 31, 2022, and the related statement of changes in net assets available for benefits for the year then ended, and the related notes to the financial statements (the "2022 Financial Statements").

Management, having determined it is permissible in the circumstances, has elected to have the audit of the 2022 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 ("DOL") Rules and Regulations for Reporting and Disclosure under ERISA. As permitted by ERISA Section 103(a)(3)(C), our audit 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 DOL's Rules and Regulations for Reporting and Disclosure under ERISA (qualified institution).

Management has obtained a certification from a qualified institution as of 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 on the 2022 Financial Statements

In our opinion, based on our audit and on the procedures performed as described in the Auditor's Responsibilities for the Audit of the 2022 Financial Statements section:

- The amounts and disclosures in the accompanying 2022 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 2022 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 on the 2022 Financial Statements

We conducted our audit 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 2022 Financial Statements section of our report. We are required to be independent of Arcturus Therapeutics, Inc. 401(k) Plan and to meet our other ethical responsibilities in accordance with the relevant ethical requirements relating to our audit. 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 2022 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 Arcturus Therapeutics, Inc. 401(k) 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 2022 Financial Statements

Except as described in the Scope and Nature of the ERISA Section 103(a)(3)(C) Audit of the 2022 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 judgment made by a reasonable user based on the financial statements.

In performing an audit in accordance with GAAS, we:

- Exercise professional judgment 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 on the effectiveness of Arcturus Therapeutics, Inc. 401(k) 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 judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about Arcturus Therapeutics, Inc. 401(k) Plan's ability to continue as a going concern for a reasonable period of time.

Our audit 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 2022 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

2022 Supplemental Schedule Required by ERISA

The supplemental schedule (Schedule H, Part IV, Line 4(i) as of December 31, 2022) is presented for purposes of additional analysis and is not a required part of the financial statements but is supplementary information required by the DOL's Rules and Regulations for Reporting and Disclosure under ERISA. Such information is the responsibility of management and was derived from and relates 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 audit 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 the information agreed to or derived from the certified investment information, including its form and content, is presented in conformity with the DOL'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, are presented fairly, in all material respects, in conformity with the DOL'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).

Report on Compiled 2021 Financial Statement

Plan management is responsible for the accompanying financial statement of Arcturus Therapeutics, Inc. 401(k) Plan, which comprises the statement of net assets available for benefits as of December 31, 2021 (the "2021 Financial Statement"). We have performed a compilation engagement in accordance with Statements on Standards for Accounting and Review Services promulgated by the Accounting and Review Services Committee of the AICPA. We did not audit or review the 2021 Financial Statement nor were we required to perform any procedures to verify the accuracy or completeness of the information provided by Plan management. Accordingly, we do not express an opinion, a conclusion, nor provide any assurance on the 2021 Financial Statement.

Lavine, Lofgren, Morris & Engdberg LLP

La Jolla, California
October 3, 2023

ARCTURUS THERAPEUTICS, INC. 401(K) PLAN

Statements of Net Assets Available for Benefits As of December 31, 2022 and 2021 (Compiled)

	<u>2022</u>	<u>2021</u> <u>(Compiled)</u>
ASSETS		
Investments, at fair value	\$ 8,249,957	\$ 6,517,178
Notes receivable from participants	<u>82,140</u>	<u>8,465</u>
Total assets	8,332,097	6,525,643
LIABILITIES	<u>-</u>	<u>-</u>
NET ASSETS AVAILABLE FOR BENEFITS	<u>\$ 8,332,097</u>	<u>\$ 6,525,643</u>

See accompanying notes to financial statements.

ARCTURUS THERAPEUTICS, INC. 401(K) PLAN

Statement of Changes in Net Assets Available for Benefits For the Year Ended December 31, 2022

Additions to net assets attributed to:

Contributions:

Participant - current	\$ 2,356,910
Participant - rollovers	521,384
Employer - current	<u>424,157</u>

Total contributions 3,302,451

Interest income from notes receivable from participants 1,807

Total additions 3,304,258

Deductions from net assets attributed to:

Investment (income) loss:

Dividend income from registered investment companies	(159,276)
Interest income from money market fund	(3,361)
Net realized and unrealized appreciation in fair value of self-directed brokerage accounts	(13,344)
Net realized and unrealized depreciation in fair value of registered investment companies	<u>1,435,212</u>

Net investment loss 1,259,231

Benefits paid to participants	222,340
Corrective distributions	5,419
Administrative expenses	<u>10,814</u>

Total deductions 1,497,804

Net increase 1,806,454

Net assets available for benefits:

Beginning of year (compiled) 6,525,643

End of year \$ 8,332,097

See accompanying notes to financial statements.

ARCTURUS THERAPEUTICS, INC. 401(K) PLAN

Notes to Financial Statements December 31, 2022

NOTE 1. DESCRIPTION OF PLAN

The Arcturus Therapeutics, Inc. 401(k) Plan (the "Plan") is a defined contribution plan established on January 1, 2017. The Plan is sponsored by Arcturus Therapeutics, Inc. (the "Company") to allow eligible employees to adopt a regular program of savings for retirement. The Plan is subject to the requirements of the Employee Retirement Income Security Act of 1974 ("ERISA") and the provisions of the Internal Revenue Code ("IRC"). Significant elements of the Plan are summarized below. Participants should refer to the Plan document for a complete description of the Plan's provisions.

Eligibility

Employees who have completed one month of service with the Company are generally eligible to participate in the Plan and may enroll in the Plan on the first day of the month coincident with or next following the date on which they meet the eligibility requirements. The following employees are not eligible to participate in the Plan: Interns (unless they have attained 21 years of age and completed at least 1,000 hours of service); non-resident aliens who receive no earned income from sources within the United States; leased employees; and residents of Puerto Rico.

Participant Contributions

Eligible participants may contribute up to 100% of pretax eligible compensation as defined by the Plan. Participants may elect to have all or a portion of their contributions be Roth elective deferrals (after-tax) when contributed to the Plan. In addition, employees who are age 50 or older can elect to defer additional amounts (called "catch-up" contributions) to the Plan.

The Plan has adopted automatic enrollment provisions such that employees who have not made an affirmative elective deferral request, including a zero-deferral election, shall automatically have 6% of their eligible pre-tax compensation deferred into the Plan.

All participant contributions are subject to limitations imposed by the IRC. Employees may also contribute amounts representing rollover distributions from other qualified sources.

Employer Contributions

The Plan includes provisions for discretionary employer matching contributions as well as discretionary non-elective contributions. For 2022, the discretionary employer matching contribution is determined each payroll period and is equal to 50% of a participant's deferral contributions, subject to a maximum annual discretionary employer matching contribution of \$2,500. To share in any discretionary contributions, participants must be employed as of the last day of the Plan year and have been credited with 1,000 hours of service during the Plan year. The Company made no discretionary non-elective contributions to the Plan for the year ended December 31, 2022.

Notes Receivable from Participants (Participant Loans)

Participants may borrow from their accounts a minimum of \$1,000 up to a maximum generally equal to the lesser of \$50,000 or 50% of their vested account balance. Loans bear interest at a reasonable rate as determined by the Plan administrator at the time of application, and are generally secured by the participant's vested account balance. Participants are permitted to have only one loan outstanding at any time. Principal and interest are paid ratably through payroll deductions over a term not to exceed five years unless the loan is used toward the acquisition of the participant's principal residence, in which case the loan term may be longer. As of December 31, 2022, the interest rates on outstanding loans ranged from 4.25% to 7.25%.

ARCTURUS THERAPEUTICS, INC. 401(K) PLAN

Notes to Financial Statements December 31, 2022

NOTE 1. DESCRIPTION OF PLAN (Continued)

Vesting

Participants are vested immediately in the portion of their accounts related to their contributions (including earnings or losses thereon). Through January 31, 2022, participants vested in the portion of their accounts related to matching employer contributions and nonelective employer contributions (including earnings thereon) based on years of service as follows:

<u>Years of Service</u>	<u>Vested Interest</u>
1	0%
2	20%
3	40%
4	60%
5	80%
6 or more	100%

On February 1, 2022, the Plan was amended such that participants vest in the portion of their accounts related to matching employer contributions (including earnings thereon) based on years of service as follows:

<u>Years of Service</u>	<u>Vested Interest</u>
1	25%
2	50%
3	75%
4 or more	100%

In addition, upon reaching normal retirement age (65), or in the event of death or disability (as defined), employed participants become 100% vested in their accounts.

Payment of Benefits

Upon disability, death, termination, or attaining age 59½ or normal retirement age (65), participants (or, if applicable, their beneficiaries) may elect to receive a distribution of their vested account balance in a lump sum, or defer distribution if their vested account balance exceeds \$5,000. Pursuant to the Setting Every Community Up for Retirement Enhancement Act of 2019 (the "SECURE" Act), which became law on December 20, 2019, participants may defer taking distributions as follows:

- If a participant reached the age of 70½ in 2019, the participant may defer receiving distributions until the later of April 1, 2020, or the April following the calendar year in which the participant retires;
- If a participant reaches the age of 70½ in 2020 or later, the participant may defer receiving distributions until the later of the April following the calendar year in which the participant reaches age 72 or retires.

Upon termination of employment, if a participant's vested account balance is between \$1,000 and \$5,000, and if the participant has not elected to receive a cash distribution or have the balance rolled over into an individual retirement account ("IRA") of his/her choosing, the Plan may transfer the participant's account balance into an IRA separately managed and maintained by a trust company engaged by the Plan. Also at its discretion, the Plan may elect to distribute vested account balances of less than \$1,000.

ARCTURUS THERAPEUTICS, INC. 401(K) PLAN

Notes to Financial Statements December 31, 2022

NOTE 1. DESCRIPTION OF PLAN (Continued)

Payment of Benefits (Continued)

In response to the effects of the coronavirus on the economy, in March 2020, Congress passed the Coronavirus Aid, Relief, and Economic Security Act (the "CARES Act"). The CARES Act provided temporary relief for retirement plan sponsors and participants with respect to employer contributions, distributions, and participant loans. Provisions of the CARES Act were largely optional and were permitted to be implemented operationally prior to formally amending the plan documents. In April 2020, the Plan operationally implemented the following provisions for CARES Act related distributions: (i) participants may withdraw up to \$100,000 without a 10% early distribution penalty, (ii) such distributions can be repaid within three years of the date of distribution, and (iii) required minimum distributions were temporarily suspended for 2020. The Plan was formally amended for these provisions in September 2022.

Forfeitures

Forfeitures of terminated participants' accounts are held in an unallocated asset account. These amounts may be used to pay Plan administrative expenses or reduce employer contributions. During 2022, \$14,157 was added for amounts forfeited from participant accounts, \$78 was added related to investment gains, \$8,119 was used toward Plan expenses, and no amounts were used toward employer contributions. As of December 31, 2022 and 2021, the forfeitures account balance was \$6,309 and \$193 (compiled), respectively.

Participant Accounts and Investment Options

Each participant's account is credited with the participant's contributions, any employer matching contributions, and allocations of (i) any employer non-elective contributions, (ii) Plan earnings or losses, and (iii) any administrative expenses. Allocations are based on participant contributions, earnings, 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.

Upon enrollment in the Plan, a participant may direct employee and employer contributions in any of the Plan's investment options. Subsequently, participants may change their allocations and transfer account balances between investment options in accordance with Plan provisions.

NOTE 2. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Basis of Accounting

The financial statements of the Plan are presented on the accrual basis of accounting in accordance with accounting principles generally accepted in the United States ("U.S. GAAP").

Use of Estimates

The preparation of financial statements in accordance with U.S. GAAP requires the Plan's management to make estimates and assumptions that affect certain reported amounts and disclosures. Accordingly, actual results could differ from those estimates.

Investment Valuation and Income Recognition

Investments are stated at fair value. Fair value is defined as the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. See Note 4 for discussion of fair value measurements.

ARCTURUS THERAPEUTICS, INC. 401(K) PLAN

Notes to Financial Statements December 31, 2022

NOTE 2. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)

Investment Valuation and Income Recognition (Continued)

Purchases and sales of securities are recorded on a trade-date basis. Interest income is recorded when earned. Dividends are recorded on the ex-dividend date. Net realized and unrealized appreciation or depreciation in fair value of investments includes the Plan's gains and losses on investments bought and sold as well as held during the year.

Notes Receivable from Participants (Participant Loans)

Notes receivable from participants are measured at their unpaid principal balance plus any accrued but unpaid interest. Interest income is recorded on the accrual basis. Related fees are recorded as administrative expenses and are expensed as incurred. No allowance for credit losses has been recorded as of December 31, 2022 or 2021 (compiled). If a participant ceases to make loan repayments and the Plan administrator deems the participant loan to be in default, the participant loan balance is reduced and a benefit payment is recorded.

Payment of Benefits

Benefits are recorded when paid.

Administrative Expenses

The Plan's administrative expenses, such as custodian/trustee, accounting, and legal expenses, are paid by the Company, except for certain distribution and loan fee expenses, which are paid by the transacting participants.

Subsequent Events

Plan management has evaluated subsequent events through the date of the independent auditors' report, which is the date these financial statements were available to be issued.

NOTE 3. INFORMATION CERTIFIED BY THE CUSTODIAN

Certain information related to investments and notes receivable from participants disclosed in the accompanying financial statements and the ERISA-required supplemental schedule (Schedule H, Part IV, Line 4i), including investments and notes receivable from participants held at December 31, 2022, and net appreciation or depreciation in fair value of investments, dividends, and interest income on notes receivable from participants for the year then ended, was obtained by management and agreed to or derived from information certified as complete and accurate by Fidelity Management Trust Company, the custodian of the Plan.

NOTE 4. FAIR VALUE MEASUREMENTS

Financial Accounting Standards Board ("FASB") Accounting Standards Codification ("ASC") 820, *Fair Value Measurements and Disclosures*, provides the framework for measuring fair value. That framework 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 measurements) and lowest priority to unobservable inputs (Level 3 measurements).

ARCTURUS THERAPEUTICS, INC. 401(K) PLAN

Notes to Financial Statements December 31, 2022

NOTE 4. FAIR VALUE MEASUREMENTS (Continued)

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 markets that the Plan has the ability to access.

Level 2 – Inputs to the valuation methodology include quoted prices for similar assets or liabilities in active 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, and inputs that are derived principally from or corroborated by observable market data by correlation or other means.

Level 3 – Inputs to the valuation methodology are unobservable and significant to the fair value measurement for the asset or liability at the measurement date. These inputs reflect Plan management's best estimate of what market participants would use in pricing the asset or liability at the measurement date. Consideration is given to the risk inherent in the valuation technique and in the inputs to the model.

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. The following is a description of the valuation methodologies used for assets measured at fair value at December 31, 2022 and 2021 (compiled). There have been no changes in the methodologies used at December 31, 2022 and 2021 (compiled).

Mutual Funds (including Money Market Funds): Valued at the daily closing price as reported by the fund. Mutual funds including money market funds held by the Plan are open-end funds that are registered with the U.S. Securities and Exchange Commission. These funds are required to publish their daily net asset value and to transact at that price. The funds held by the Plan are deemed to be actively traded.

Self-Directed Brokerage Accounts: Accounts consist primarily of interest-bearing cash (money market), publicly traded stocks, and mutual funds for which identical securities are observable in active markets.

The preceding methods described may produce a fair value calculation that may not be indicative of net realizable value or reflective of future fair values. Furthermore, while Plan management 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, 2022 and 2021 (compiled):

	December 31, 2022			
	Level 1	Level 2	Level 3	Total
Self-directed brokerage accounts	\$ 267,258	\$ -	\$ -	\$ 267,258
Mutual funds	7,982,699	-	-	7,982,699
Total investments at fair value	<u>\$ 8,249,957</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 8,249,957</u>

ARCTURUS THERAPEUTICS, INC. 401(K) PLAN

Notes to Financial Statements December 31, 2022

NOTE 4. FAIR VALUE MEASUREMENTS (Continued)

	December 31, 2021 (Compiled)			
	Level 1	Level 2	Level 3	Total
Self-directed brokerage accounts	\$ 216,244	\$ -	\$ -	\$ 216,244
Mutual funds	6,300,934	-	-	6,300,934
Total investments at fair value	<u>\$ 6,517,178</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 6,517,178</u>

NOTE 5. RELATED PARTY AND PARTY-IN-INTEREST TRANSACTIONS

The Company pays certain administrative costs of the Plan, and provides administrative services for the Plan at no cost to the Plan. Certain investments are managed by the Plan's custodian or recordkeeper or affiliates thereof. These transactions qualify as exempt party-in-interest transactions.

NOTE 6. PLAN TERMINATION

Although it has not expressed any intent to do so, the Company has the right under the Plan to discontinue contributions at any time and to terminate the Plan subject to provision of ERISA. In the event of Plan termination, participants would become 100% vested in their accounts.

NOTE 7. TAX STATUS

The Company has adopted a non-standardized pre-approved defined contribution plan and relies upon the opinion letter from the Internal Revenue Service ("IRS") dated June 30, 2020 which stated that, in its opinion, the pre-approved plan and related trust are designed in accordance with applicable sections of the IRC. The Company has not applied for a determination letter from the IRS specific to the Plan. Although the Plan has been subsequently amended, the Plan administrator believes that the Plan is designed and is currently being operated in compliance with the applicable requirements of the IRC. Therefore, no provision for income taxes has been included in the accompanying financial statements.

U.S. GAAP requires Plan management to evaluate tax positions taken by the Plan and recognize a tax liability (or asset) if the Plan has taken an uncertain tax position that more likely than not would not be sustained upon examination by the applicable taxing authorities. 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. The Plan administrator believes it is no longer subject to income tax examinations for years prior to 2019.

ARCTURUS THERAPEUTICS, INC. 401(K) PLAN

Notes to Financial Statements December 31, 2022

NOTE 8. RISKS AND UNCERTAINTIES

The Plan invests in various investment securities. Investment securities are exposed to various risks such as interest rate, market, and credit risk. Due to the level of risk associated with certain investment securities, it is at least reasonably possible that changes in the values of investment securities will occur in the near term and that such changes could materially affect participant account balances and the amounts reported in the accompanying financial statements.

NOTE 9. OPERATIONAL FAILURES

During 2023, the Company identified operational failures relating to the improper inclusion of a type of compensation in Plan eligible compensation which resulted in excess employee deferrals and employer matching contributions since Plan inception. The Company and the Plan administrator are in the process of determining the participants affected and intend on taking corrective action as needed pursuant to the IRS Employee Plans Compliance Resolution System.

Based on the actions intended to be taken, Plan management and the Company believe the aforementioned operational failure will not cause the Plan to be disqualified by the IRS and that the self-corrective actions would allow the Plan to be in compliance with the Plan documents and ERISA. Accordingly, no provision for income taxes has been included in the accompanying financial statements.

NOTE 10. SECURE 2.0 ACT

On December 29, 2022, the SECURE 2.0 Act of 2022 (the "SECURE Act 2.0") became law. The purpose of the legislation is to expand access to retirement plans and to help working Americans increase their retirement savings. The SECURE Act 2.0 includes various required and optional provisions that will become effective between 2023 and 2033, certain of which are described below.

- Beginning in 2023, the age for required minimum distributions will increase from age 72 to 73. Beginning in 2033, the age for required minimum distributions will increase from age 73 to 75.
- Beginning in 2026, catch-up contributions will be made on a Roth basis, unless the participant earns \$145,000 or less.
- Beginning January 1, 2025, a participant from the ages 60 to 63 can elect catch-up contributions up to the limit of the greater of \$10,000 or 150% of the catch-up contribution limit imposed by the IRS.
- Starting January 1, 2025, long-term part-time workers (defined as employees who have worked for two consecutive 12 month periods during each of which they have at least 500 hours of service) will become eligible to enroll in their employer's retirement plan after two years.

Additionally, Plan management has not yet determined which of the optional provisions, if any, the Plan will implement. Plan management expects to formally amend the Plan by December 31, 2025.

SUPPLEMENTAL SCHEDULE

ARCTURUS THERAPEUTICS, INC. 401(K) PLAN

Attachment for Form 5500 – Schedule H, Part IV, Line 4i –
Schedule of Assets Held for Investment Purposes at End of Year
As of December 31, 2022

EIN: 46-1981974
Plan Number: 001

(a)	(b)	(c)	(d)	(e)
	Identity of issue, borrower, lessor, or similar party	Description of investment including maturity date, rate of interest, collateral, par or maturity value	Cost ⁽¹⁾	Current value
*	Fidelity Brokerage Services - Brokerage Link	Self-directed brokerage accounts	-	\$ 267,258
	Mutual Funds:			
*	Fidelity 500 Index	Registered investment company	-	1,141,142
	BlackRock LifePath Index 2035	Registered investment company	-	982,440
	BlackRock LifePath Index 2040	Registered investment company	-	951,687
	BlackRock LifePath Index 2050	Registered investment company	-	649,593
	BlackRock LifePath Index 2045	Registered investment company	-	574,031
	BlackRock LifePath Index Retirement	Registered investment company	-	543,265
	BlackRock LifePath Index 2060	Registered investment company	-	383,578
	BlackRock LifePath Index 2055	Registered investment company	-	314,686
	BlackRock LifePath Index 2030	Registered investment company	-	283,711
*	Fidelity U.S. Bond Index	Registered investment company	-	265,825
*	Fidelity International Index	Registered investment company	-	207,841
	Carillon Eagle Mid Cap Growth R6	Registered investment company	-	204,762
	BlackRock LifePath Index 2025	Registered investment company	-	200,959
	T. Rowe Price Blue Chip Growth I	Registered investment company	-	196,682
*	Fidelity Small Cap Index	Registered investment company	-	162,471
*	Fidelity Mid Cap Index	Registered investment company	-	158,721
*	Fidelity Government Money Market	Money market fund	-	133,842
	American Funds New World	Registered investment company	-	133,273
	Janus Henderson Global Life Sciences	Registered investment company	-	90,286
	Invesco Discovery Fund R6	Registered investment company	-	78,652
	JPMorgan Equity Income Fund R6	Registered investment company	-	69,333
	PIMCO Income Inst	Registered investment company	-	58,889
	T. Rowe Price Overseas Stock I	Registered investment company	-	53,585
	Allspring Special Small Cap Value	Registered investment company	-	47,505
	MFS Mid Cap Value R6	Registered investment company	-	40,348
	BlackRock LifePath Index 2065	Registered investment company	-	26,206
	Cohen & Steers Real Estate Z	Registered investment company	-	22,300
	PGIM Total Return Bond	Registered investment company	-	7,086
*	Participant Loans	Interest rates range from 4.25% to 7.25%; maturities vary.	- 0 -	82,140
	Total			<u>\$ 8,332,097</u>

* Represents a party-in-interest.

⁽¹⁾ Cost information is omitted for participant-directed investments.

See accompanying independent auditors' report.

ARCTURUS THERAPEUTICS, INC. 401(K) PLAN

Attachment for Form 5500 – Schedule H, Part IV, Line 4i –
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See accompanying independent auditors' report.