SECURITIES AND EXCHANGE COMMISSION WASHINGTON, DC 20549

SCHEDULE 13D/A

(Amendment No. 4)

Under the Securities Exchange Act of 1934

ALLAKOS INC.

(Name of Issuer)

Common Stock, par value \$0.001 per share (Title of Class of Securities)

01671P100 (CUSIP Number)

John P. McKearn 101 S. Hanley Road, Suite 1850 St. Louis, MO 63105 (314) 726-6700

With copy to:

Gloria M. Skigen, Esq.
Holland & Knight LLP
One Stamford Plaza 263 Tresser Boulevard Suite 1400
Stamford, CT 06901
(203) 905-4526
(Name, Address and Telephone Number of Person Authorized to Receive Notices and Communications)

January 16, 2024 (Date of Event which Requires Filing of this Statement)

If the filing person has previously filed a statement on Schedule 13G to report the acquisition that is the subject of this Schedule 13D, and is filing this schedule because of \$\$240.13d-1(e), 240.13d-1(f) or 240.13d-1(g), check the following box:

* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter disclosures provided in a prior cover page.

The information required on the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

1	NAME OF REPORTING PERSON I.R.S. IDENTIFICATION NO. (ENTITIES ONLY)				
	RiverVest Venture Fund II, L.P.				
2			ROPRIATE BOX IF A MEMBER OF A GROUP		
) 🗆			
3	SEC USE ON				
4	SOURCE OF	FUN	DS		
	WC				
5	CHECK IF D	OISCL	OSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e)		
6	CITIZENSHI	IP OR	PLACE OF ORGANIZATION		
	D.1 110	7.4			
	Delaware, US	5A 7	SOLE VOTING POWER		
			SOLE VOTING POWER		
NUMBER OF					
	SHARES		SHARED VOTING POWER		
	NEFICIALLY				
(OWNED BY EACH				
R	REPORTING		SOLE DISPOSITIVE POWER		
	PERSON				
	WITH	10	0 SHARED DISPOSITIVE POWER		
		10	SHARED DISPOSITIVE POWER		
11	AGGREGAT	E AM	OUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
10	0	TIE A	CORECATE AMOUNT BUROW (11) EVOLUDES CERTARI SHARES		
12	CHECK IF I	не а	GGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES		
13	PERCENT O	F CL	ASS REPRESENTED BY AMOUNT IN ROW (11)		
	0.00/(1)				
1.4	0.0%(1)	DOP	FINIC DED CON		
14	TYPE OF REPORTING PERSON				
	PN				

(1) The percentage set forth in row (13) is based on the 87,476,338 shares of common stock, par value \$0.001 per share ("Common Stock"), of Allakos Inc., a Delaware corporation (the "Issuer"), reported by the Issuer to be outstanding as of November 7, 2023 on the Issuer's Form 10-Q, filed with the Securities and Exchange Commission ("SEC") on November 13, 2023.

1		REPORTING PERSON FIFICATION NO. (ENTITIES ONLY)			
	RiverVest Venture Fund II (Ohio), L.P.				
2		E APPROPRIATE BOX IF A MEMBER OF A GROUP b) □			
	and tide of				
3	SEC USE Of				
4	SOURCE OF FUNDS				
	WC				
5	CHECK IF D	DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e)			
	П				
6		IP OR PLACE OF ORGANIZATION			
	CITIZENSII				
	Delaware, US	SA			
		7 SOLE VOTING POWER			
,	HINADED OF				
NUMBER OF SHARES					
BE	ENEFICIALLY	8 SHARED VOTING POWER			
	OWNED BY				
_	EACH	9 SOLE DISPOSITIVE POWER			
K	REPORTING PERSON				
	WITH				
		10 SHARED DISPOSITIVE POWER			
11	AGGREGAT	TE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
	0				
12		THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES			
13	PERCENT C	OF CLASS REPRESENTED BY AMOUNT IN ROW (11)			
	0.0%(1)				
14	TYPE OF RE	EPORTING PERSON			
	PN				
	111				

1	NAME OF REPORTING PERSON I.R.S. IDENTIFICATION NO. (ENTITIES ONLY)				
	RiverVest Ver	nture 1	Partners II (Ohio), LLC		
2			ROPRIATE BOX IF A MEMBER OF A GROUP		
	(a) □ (b) 🗆			
3	SEC USE ON	NLY			
4	SOURCE OF	FUN	DS		
	AF				
5	CHECK IF D	ISCL	OSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e)		
6	CITIZENSHI	IP OR	PLACE OF ORGANIZATION		
	Delaware, US				
		7	SOLE VOTING POWER		
NUMBER OF					
1	SHARES		SHARED VOTING POWER		
BE	ENEFICIALLY	8	SHARED VOTINGTOWER		
(OWNED BY		$0^{(2)}$		
п	EACH REPORTING		SOLE DISPOSITIVE POWER		
K	PERSON				
	WITH		0		
		10	SHARED DISPOSITIVE POWER		
11	ACCDECAT	E ANA	0 ⁽²⁾ OUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
11	AGGREGAT	L AIVI	IOUNI BENEFICIALLI OWNED DI LACII REFORTINO I ERSON		
	0(2)				
12	CHECK IF T	НЕ А	GGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES		
13	PERCENT O	F CL	ASS REPRESENTED BY AMOUNT IN ROW (11)		
	$0.0\%^{(1)}$				
14	TYPE OF RE	EPOR	TING PERSON		
	00				

(2) Represents shares of Common Stock owned by RiverVest Venture Fund II (Ohio), L.P., a Delaware limited partnership ("RiverVest II (Ohio)"). RiverVest Venture Partners II (Ohio), LLC, a Delaware limited liability company ("RiverVest Partners II (Ohio)"), is the general partner of RiverVest II (Ohio).

1	NAME OF REPORTING PERSON I.R.S. IDENTIFICATION NO. (ENTITIES ONLY)				
	RiverVest Ve	nture	Partners II, L.P.		
2	CHECK THE	E APP	ROPRIATE BOX IF A MEMBER OF A GROUP		
	(a) □ (b) 🗆			
3	SEC USE ON				
4	SOURCE OF	FUN	DS		
	AF				
5	CHECK IF D	OISCL	OSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e)		
6	CITIZENSH	IP OR	PLACE OF ORGANIZATION		
	Delaware, US		CONTRACTOR DOWN		
		7	SOLE VOTING POWER		
NUMBER OF			0		
1,	SHARES		SHARED VOTING POWER		
BE	ENEFICIALLY	8	SHARED VOTINGTOWER		
(OWNED BY		$0^{(3)}$		
n	EACH REPORTING		SOLE DISPOSITIVE POWER		
N	PERSON				
	WITH				
	.,1111		SHARED DISPOSITIVE POWER		
44			$0^{(3)}$		
11	AGGREGAI	E AM	OUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	0(3)				
12	CHECK IF T	НЕ А	GGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES		
13	PERCENT O	F CL	ASS REPRESENTED BY AMOUNT IN ROW (11)		
	0.0%(1)				
14		DOD'	TING PERSON		
14	TIFE OF KE	TUK.	TING LERSON		
	PN				

(3) Represents shares of Common Stock owned by RiverVest Venture Fund II, L.P., a Delaware limited partnership ("RiverVest II"), and shares of Common Stock owned by RiverVest II (Ohio). RiverVest Venture Partners II, L.P., a Delaware limited partnership ("RiverVest Partners II"), is the general partner of RiverVest II and the sole member of RiverVest Partners II (Ohio), which is the general partner of RiverVest II (Ohio).

			5			
1	NAME OF REPORTING PERSON I.R.S. IDENTIFICATION NO. (ENTITIES ONLY)					
	RiverVest Venture Partners II, LLC					
2			ROPRIATE BOX IF A MEMBER OF A GROUP			
	(a) (b) (c)					
3	SEC USE ONLY					
4	SOURCE OF	FUN	DS			
	AF					
5		ISCL	OSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e)			
6		P OR	PLACE OF ORGANIZATION			
	OTTIBE! (OTT	. 010				
	Delaware, US					
		7	SOLE VOTING POWER			
NUMBER OF						
DE	SHARES BENEFICIALLY		SHARED VOTING POWER			
	OWNED BY					
	EACH		0 ⁽⁴⁾ SOLE DISPOSITIVE POWER			
R	REPORTING	9	SOLE DISPOSITIVE POWER			
	PERSON WITH		0			
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	10	SHARED DISPOSITIVE POWER			
			$0^{(4)}$			
11	AGGREGAT	E AM	OUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
	0(4)					
12		HE A	GGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES			
12	CHECK I					
13	PERCENT O	F CL	ASS REPRESENTED BY AMOUNT IN ROW (11)			
	0.0%(1)					
14	TYPE OF RE	POR	TING PERSON			
	OO					

(4) Represents shares of Common Stock owned by RiverVest II and shares of Common Stock owned by RiverVest II (Ohio). RiverVest Venture Partners II, LLC, a Delaware limited liability company, is the general partner of RiverVest Partners II, which is (a) the general partner of RiverVest II and (b) the sole member of RiverVest Partners II (Ohio), which is the general partner of RiverVest II (Ohio).

1		REPORTING PERSON TIFICATION NO. (ENTITIES ONLY)			
	RiverVest Venture Fund III, L.P.				
2		E APPROPRIATE BOX IF A MEMBER OF A GROUP b) □			
3	SEC USE Of				
4	SOURCE OF FUNDS				
	WC				
5	CHECK IF D	DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e)			
6	CITIZENSH	IIP OR PLACE OF ORGANIZATION			
	Delaware, US				
		7 SOLE VOTING POWER			
	HIMDED OF				
NUMBER OF SHARES					
BE	ENEFICIALLY	8 SHARED VOTING POWER			
	OWNED BY				
	EACH	9 SOLE DISPOSITIVE POWER			
K	REPORTING PERSON				
	WITH				
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11	AGGREGAT	TE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
	0				
12	CHECK IF T	THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES			
13	PERCENT C	OF CLASS REPRESENTED BY AMOUNT IN ROW (11)			
	0.0%(1)				
14	TYPE OF RE	EPORTING PERSON			
	PN				
	FIN				

1		EPORTING PERSON TFICATION NO. (ENTITIES ONLY)			
	RiverVest Venture Fund III (Ohio), L.P.				
2		E APPROPRIATE BOX IF A MEMBER OF A GROUP) □			
3	SEC USE ON				
4	SOURCE OF	FUNDS			
5	WC CHECK IF D	DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e)			
	CHECK I	2(a) on 2(b)			
6	CITIZENSH	IP OR PLACE OF ORGANIZATION			
	Delaware, US	SA			
		7 SOLE VOTING POWER			
N	UMBER OF				
	SHARES	8 SHARED VOTING POWER			
	ENEFICIALLY DWNED BY				
	EACH	0			
R	REPORTING	9 SOLE DISPOSITIVE POWER			
	PERSON WITH				
	WIIII	10 SHARED DISPOSITIVE POWER			
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11	AGGREGAT	E AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
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12		HE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES			
13	PERCENT O	F CLASS REPRESENTED BY AMOUNT IN ROW (11)			
	0.0%(1)				
14	TYPE OF RE	EPORTING PERSON			
	PN				
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1	NAME OF REPORTING PERSON I.R.S. IDENTIFICATION NO. (ENTITIES ONLY)					
2			Partners III (Ohio), LLC ROPRIATE BOX IF A MEMBER OF A GROUP			
2		APP) 🗆	ROPRIALE DOA IF A MEMIDER OF A GROUP			
		,				
3	SEC USE ON	ILY				
4	SOURCE OF	FUN	DS			
	AF					
5	CHECK IF D	ISCL	OSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e)			
6	CITIZENSHI	P OR	PLACE OF ORGANIZATION			
	Delaware, US	. A				
	Delawate, Os	7	SOLE VOTING POWER			
N	NUMBER OF SHARES					
BE	NEFICIALLY	8	SHARED VOTING POWER			
(OWNED BY EACH		0(5)			
R	REPORTING		SOLE DISPOSITIVE POWER			
	PERSON					
	WITH		SHARED DISPOSITIVE POWER			
11	A CORECAT	E 434	0 ⁽⁵⁾ OUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
11	AGGREGAL	E AM	OUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
	0(5)					
12	CHECK IF T	HE A	GGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES			
13	_	F CL	ASS REPRESENTED BY AMOUNT IN ROW (11)			
	0.00/(1)					
14	0.0%(1)	POP'	TING PERSON			
17	TYPE OF REPORTING PERSON					
	OO					

(5) Represents shares of Common Stock owned by RiverVest Venture Fund III (Ohio), L.P., a Delaware limited partnership ("RiverVest III (Ohio)"). RiverVest Venture Partners III (Ohio), LLC, a Delaware limited liability company ("RiverVest Partners III (Ohio)"), is the general partner of RiverVest III (Ohio).

1		EPORTING PERSON			
	I.R.S. IDENTIFICATION NO. (ENTITIES ONLY)				
	RiverVest Venture Partners III, L.P.				
2					
	(a) □ (b				
2	and han or				
3	SEC USE ON	NLY			
4	SOURCE OF	C ELINIDO			
4	SOURCE OF	FUNDS			
	AF				
5		DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e)			
	enzen n	2(u) on 2(u)			
6	CITIZENSH	IP OR PLACE OF ORGANIZATION			
	Delaware, US				
		7 SOLE VOTING POWER			
NIII MDED OF					
NUMBER OF SHARES		0			
BENEFICIALLY		8 SHARED VOTING POWER			
	OWNED BY	0(6)			
	EACH	9 SOLE DISPOSITIVE POWER			
REPORTING		9 SOLE DISPOSITIVE POWER			
	PERSON				
	WITH	10 SHARED DISPOSITIVE POWER			
		0(6)			
11	AGGREGAT	E AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
	0(6)				
12	CHECK IF T	HE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES			
1.0	DED CENTE O	E CLACO REPRESENTED DV AMOUNTE DAROUM (11)			
13	PERCENTO	F CLASS REPRESENTED BY AMOUNT IN ROW (11)			
	0.0%(1)				
14		EPORTING PERSON			
17	THE OF REFORTING LERSON				
	PN				

(6) Represents shares of Common Stock owned by RiverVest Venture Fund III, L.P., a Delaware limited partnership ("RiverVest III"), and shares of Common Stock owned by RiverVest III (Ohio). RiverVest Venture Partners III, L.P., a Delaware limited partnership ("RiverVest Partners III"), is the general partner of RiverVest III and the sole member of RiverVest Partners III (Ohio), which is the general partner of RiverVest III (Ohio).

1					
	I.R.S. IDENTIFICATION NO. (ENTITIES ONLY)				
	RiverVest Venture Partners III, LLC				
2			ROPRIATE BOX IF A MEMBER OF A GROUP		
) 🗆			
3	SEC USE ON	NLY			
4	SOURCE OF	FIIN	nc nc		
4	SOURCE OF	FUN	DS .		
	AF				
5	CHECK IF D	ISCL	OSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e)		
6	CITIZENSHI	ID OD	PLACE OF ORGANIZATION		
0	CITIZENSIII	ıı OK	TLACE OF ORGANIZATION		
	Delaware, US	SA			
		7	SOLE VOTING POWER		
N	UMBER OF				
1	SHARES	8	0 SHARED VOTING POWER		
	ENEFICIALLY	0	SHARED VOTINGTOWER		
	OWNED BY EACH		0(7)		
R	REPORTING PERSON		SOLE DISPOSITIVE POWER		
	WITH		0 SHARED DISPOSITIVE POWER		
		10	SHARED DISPOSITIVE FOWER		
			0(7)		
11	AGGREGAT	E AM	OUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	0(7)				
12	•	HE A	GGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES		
12					
13	PERCENT O	F CL.	ASS REPRESENTED BY AMOUNT IN ROW (11)		
	0.0%(1)				
14		EPOR	TING PERSON		
	- 1.1.2 O. Ru	0.1			
	00				

(7) Represents shares of Common Stock owned by RiverVest III and shares of Common Stock owned by RiverVest III (Ohio). RiverVest Venture Partners III, LLC, a Delaware limited liability company, is the general partner of RiverVest Partners III, which is (a) the general partner of RiverVest III and (b) the sole member of RiverVest Partners III (Ohio), which is the general partner of RiverVest III (Ohio).

1		EPORTING PERSON TFICATION NO. (ENTITIES ONLY)			
	3x5 RiverVest Fund II, L.P.				
2		E APPROPRIATE BOX IF A MEMBER OF A GROUP) □			
3	SEC USE ON				
4	SOURCE OF	FUNDS			
	WC				
5	CHECK IF D	SISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e)			
6	CITIZENSH	IP OR PLACE OF ORGANIZATION			
	Delaware, US				
		7 SOLE VOTING POWER			
N	IUMBER OF	0			
DE	SHARES ENEFICIALLY	8 SHARED VOTING POWER			
	OWNED BY				
п	EACH REPORTING	9 SOLE DISPOSITIVE POWER			
r	PERSON				
	WITH	0 10 SHARED DISPOSITIVE POWER			
		SIT KED DISTOSITIVE TO WEK			
11	A CORECATE				
11	AGGREGAI	E AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
	0				
12	CHECK IF T	HE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES			
13	PERCENT O	F CLASS REPRESENTED BY AMOUNT IN ROW (11)			
	0.0%(1)				
14	TYPE OF RE	EPORTING PERSON			
	PN				

1		EPORTING PERSON TFICATION NO. (ENTITIES ONLY)			
	3x5 RiverVest Fund II-B, L.P.				
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) □ (b) □				
	(a) 🗆 (b	, 🗆			
3	SEC USE ON	NLY			
4	SOURCE OF FUNDS				
	WC				
5	CHECK IF D	SISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e)			
6	CITIZENSH	P OR PLACE OF ORGANIZATION			
	Delaware, US	SA			
		7 SOLE VOTING POWER			
N	IUMBER OF	0			
RE	SHARES ENEFICIALLY	8 SHARED VOTING POWER			
	OWNED BY				
R	EACH REPORTING	9 SOLE DISPOSITIVE POWER			
	PERSON				
	WITH	10 SHARED DISPOSITIVE POWER			
11	AGGREGAT	E AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
	0				
12		HE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES			
13	PERCENT O	F CLASS REPRESENTED BY AMOUNT IN ROW (11)			
	0.0%(1)				
14	TYPE OF RE	EPORTING PERSON			
	PN				

1	NAME OF REPORTING PERSON I.R.S. IDENTIFICATION NO. (ENTITIES ONLY)						
	3x5 RiverVest Partners II, LLC						
2	CHECK THE	E APP	ROPRIATE BOX IF A MEMBER OF A GROUP				
) 🗆					
3	SEC USE ON						
4	SOURCE OF	FUN	DS				
	AF						
5	CHECK IF D	ISCL	OSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e)				
6	CITIZENSHI	IP OR	PLACE OF ORGANIZATION				
	Delaware, US						
		7	SOLE VOTING POWER				
N	UMBER OF						
SHARES		8	0 SHARED VOTING POWER				
BENEFICIALLY		0	SHARED VOTING POWER				
OWNED BY			0(8)				
	EACH		SOLE DISPOSITIVE POWER				
K	REPORTING PERSON						
	PERSON WITH						
		10	SHARED DISPOSITIVE POWER				
1.1	A CORECAE	F 43.	0(8)				
11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON						
	O(8)						
12	CHECK IF T	HE A	GGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES				
13	PERCENT O	F CL.	ASS REPRESENTED BY AMOUNT IN ROW (11)				
	$0.0\%^{(1)}$						
14	TYPE OF REPORTING PERSON						
	00						

(8) Represents shares of Common Stock owned by 3x5 RiverVest Fund II, L.P., a Delaware limited partnership ("3x5 RiverVest II"), and shares of Common Stock owned by 3x5 RiverVest Fund II-B, L.P., a Delaware limited partnership ("3x5 RiverVest II-B"). 3x5 RiverVest Partners II, LLC, a Delaware limited liability company ("3x5 RiverVest Partners"), is the general partner of 3x5 RiverVest II and 3x5 RiverVest II-B.

1	NAME OF REPORTING PERSON I.R.S. IDENTIFICATION NO. (ENTITIES ONLY)						
	RiverVest 3x5 Managers II, L.P.						
2			ROPRIATE BOX IF A MEMBER OF A GROUP				
) 🗆					
3	SEC USE ON						
4	SOURCE OF FUNDS						
	AF						
5	CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e)						
6	CITIZENSHI	IP OR	PLACE OF ORGANIZATION				
	Delaware, US		CONTRACTOR DOWN				
		7	SOLE VOTING POWER				
NUMBER OF							
SHARES		8	SHARED VOTING POWER				
BENEFICIALLY		0	SHARED VOTINGTOWER				
OWNED BY			0(9)				
n	EACH		SOLE DISPOSITIVE POWER				
REPORTING PERSON							
	WITH		0				
		10	SHARED DISPOSITIVE POWER				
			0(9)				
11	ACCRECAT	E AN	OUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON				
11	AUUREUATE AMOUNT DENEFICIALLI UWNED DI EACH REPURTINU PERSUN						
	$0^{(9)}$						
12	CHECK IF T	НЕ А	GGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES				
13	3 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)						
	0.0%(1)						
14	TYPE OF REPORTING PERSON						
	PN						

(9) Represents shares of Common Stock owned by 3x5 RiverVest II and shares of Common Stock owned by 3x5 RiverVest II-B. RiverVest 3x5 Managers II, L.P., a Delaware limited partnership ("RiverVest 3x5 Managers"), is one of two members of 3x5 RiverVest Partners, which is the general partner of 3x5 RiverVest II and 3x5 RiverVest II-B.

1	NAME OF REPORTING PERSON I.R.S. IDENTIFICATION NO. (ENTITIES ONLY)						
	RiverVest 3x5 Managers II, LLC						
2			ROPRIATE BOX IF A MEMBER OF A GROUP				
	(a) □ (b) 🗆					
3	SEC USE ON						
4	SOURCE OF	FUN	DS				
	AF						
5	CHECK IF D	ISCL	OSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e)				
6	CITIZENSHI	P OR	PLACE OF ORGANIZATION				
	Delaware, US						
		7	SOLE VOTING POWER				
N	UMBER OF						
SHARES		8	0 SHARED VOTING POWER				
BENEFICIALLY		0	SHARED VOTING POWER				
OWNED BY			0(10)				
	EACH		SOLE DISPOSITIVE POWER				
K	REPORTING PERSON						
	PERSON WITH						
		10	SHARED DISPOSITIVE POWER				
1.1	A CORECAE	E 43.	0(10)				
11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON						
	$0^{(10)}$						
12	CHECK IF T	HE A	GGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES				
13	□ PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)						
13	FERCENT O	r CL.	ASS REFRESENTED DI AMOUNT IN KOW (II)				
	0.0%(1)						
14		POR	TING PERSON				
	OO						

(10) Represents shares of Common Stock owned by 3x5 RiverVest II and shares of Common Stock owned by 3x5 RiverVest II-B. RiverVest 3x5 Managers II, LLC, a Delaware limited liability company ("RiverVest 3x5 Managers II"), is the general partner of RiverVest 3x5 Managers, which is one of two members of 3x5 RiverVest Partners. 3x5 RiverVest Partners is the general partner of 3x5 RiverVest II and 3x5 RiverVest II-B.

1							
	I.R.S. IDENTIFICATION NO. (ENTITIES ONLY)						
	John P. McKearn, Ph.D.						
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- (11) Represents 108,159 shares of Common Stock held directly by Dr. McKearn.
- (12) Represents shares of Common Stock owned by RiverVest II, shares of Common Stock owned by RiverVest II (Ohio), shares of Common Stock owned by RiverVest III, shares of Common Stock owned by 3x5 RiverVest II and shares of Common Stock owned by 3x5 RiverVest II-B.

Dr. McKearn is an authorized person of RiverVest Venture Partners II, LLC, a Delaware limited liability company, which is the general partner of RiverVest Partners II. RiverVest Partners II is (a) the general partner of RiverVest II and (b) the sole member of RiverVest Partners II (Ohio), which is the general partner of RiverVest II (Ohio).

Dr. McKearn is a member of RiverVest Venture Partners III, LLC, a Delaware limited liability company, which is the general partner of RiverVest Partners III is (a) the general partner of RiverVest III and (b) the sole member of RiverVest Partners III (Ohio), which is the general partner of RiverVest III (Ohio).

Dr. McKearn is a member of RiverVest 3x5 Managers II, the general partner of RiverVest 3x5 Managers, which in turn is one of two members of 3x5 RiverVest Partners. 3x5 RiverVest Partners is the general partner of 3x5 RiverVest II and 3x5 RiverVest II-B.

1							
	I.R.S. IDENTIFICATION NO. (ENTITIES ONLY)						
	Jay Schmelter						
2			ROPRIATE BOX IF A MEMBER OF A GROUP				
	(a) \square (b)) 🗆					
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	BENEFICIALLY						
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- (13) Represents 11,766 shares of Common Stock held directly, 1,868 shares of Common Stock owned by RiverVest Venture Management LLC Profit Sharing Plan FBO Jay W. Schmelter, 1,488 shares of Common Stock owned by the Schmelter Family Trust dated 5/2/19 and 1,488 shares of Common Stock owned by the Schmelter Family Trust #2 dated 9/30/2019.
- (14) Represents shares of Common Stock owned by RiverVest II, shares of Common Stock owned by RiverVest II (Ohio), shares of Common Stock owned by RiverVest III, shares of Common Stock owned by 3x5 RiverVest II and shares of Common Stock owned by 3x5 RiverVest II-B.

Mr. Schmelter is a member of RiverVest Venture Partners II, LLC, a Delaware limited liability company, which is the general partner of RiverVest Partners II. RiverVest Partners II is (a) the general partner of RiverVest II and (b) the sole member of RiverVest Partners II (Ohio), which is the general partner of RiverVest II (Ohio).

Mr. Schmelter is a member of RiverVest Venture Partners III, LLC, a Delaware limited liability company, which is the general partner of RiverVest Partners III is (a) the general partner of RiverVest III and (b) the sole member of RiverVest Partners III (Ohio), which is the general partner of RiverVest III (Ohio).

Mr. Schmelter is a member of RiverVest 3x5 Managers II, the general partner of RiverVest 3x5 Managers, which in turn is one of two members of 3x5 RiverVest Partners. 3x5 RiverVest Partners is the general partner of 3x5 RiverVest II and 3x5 RiverVest II-B.

1	NAME OF REPORTING PERSON I.R.S. IDENTIFICATION NO. (ENTITIES ONLY)							
	Thomas C. Melzer							
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NUMBER OF SHARES		8	21,476 ⁽¹⁵⁾					
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12	·							
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- (15) Includes 10,738 shares of Common Stock owned by the Thomas C. Melzer Revocable Trust dtd 4/4/2002 and 10,738 shares of Common Stock owned by Melzer Family Trust dated 11/9/2006.
- (16) Represents shares of Common Stock owned by RiverVest II, shares of Common Stock owned by RiverVest II (Ohio), shares of Common Stock owned by RiverVest III, shares of Common Stock owned by 3x5 RiverVest II and shares of Common Stock owned by 3x5 RiverVest II-B.

Mr. Melzer is a member of RiverVest Venture Partners II, LLC, a Delaware limited liability company, which is the general partner of RiverVest Partners II. RiverVest Partners II is (a) the general partner of RiverVest II and (b) the sole member of RiverVest Partners II (Ohio), which is the general partner of RiverVest II (Ohio).

Mr. Melzer is a member of RiverVest Venture Partners III, LLC, a Delaware limited liability company, which is the general partner of RiverVest Partners III. RiverVest Partners III is (a) the general partner of RiverVest III and (b) the sole member of RiverVest Partners III (Ohio), which is the general partner of RiverVest III (Ohio).

Mr. Melzer is a member of RiverVest 3x5 Managers II, the general partner of RiverVest 3x5 Managers, which in turn is one of two members of 3x5 RiverVest Partners. 3x5 RiverVest Partners is the general partner of 3x5 RiverVest II and 3x5 RiverVest II-B.

CUSIP No. 01671P100 13D/A Page 20 of 26 Pages

Schedule 13D/A

Pursuant to Rule 13d-2 of Regulation 13D-G of the General Rules and Regulations under the Securities Exchange Act of 1934, as amended, the undersigned hereby amends the statement on Schedule 13D dated September 10, 2018, as amended on May 26, 2020, as further amended on January 8, 2021, as further amended on February 22, 2021 (the "Schedule 13D"). This Statement constitutes Amendment No. 4 to the Schedule 13D. Unless otherwise indicated herein, there are no material changes to the information set forth in the Schedule 13D.

Except as otherwise provided herein, each Item of the Schedule 13D remains unchanged.

Item 1. Security and Issuer.

No change.

Item 2. Identity and Background.

No change.

Item 3. Source and Amount of Funds or Other Consideration.

The following table indicates sales effected during the preceding 60 days by RiverVest II, RiverVest II (Ohio), RiverVest III, RiverVest III,

Entity	Shares	Pric	e Per Share
RiverVest Venture Fund II, L.P.	694,669	\$	1.1741
RiverVest Venture Fund II (Ohio), L.P.	188,685	\$	1.1741
RiverVest Venture Fund III, L.P.	2,341,594	\$	1.1741
RiverVest Venture Fund III (Ohio), L.P.	124,275	\$	1.1741
3x5 RiverVest Fund II, L.P.	1,483,103	\$	1.1741
3x5 RiverVest Fund II-B, L.P.	55,606	\$	1.1741

Item 4. Purpose of the Transaction.

No change.

Item 5. Interest in Securities of the Issuer.

(a) and (b)

Entity or Individual	Shares Held Directly	Sole Voting Power	Shared Voting Power	Sole Dispositive Power	Shared Dispositive Power	Beneficial Ownership	Percentage of Class(*)
RiverVest Venture Fund II, L.P.	0	0	0	0	0	0	0%
RiverVest Venture Fund II (Ohio), L.P.	0	0	0	0	0	0	0%
RiverVest Venture Partners II (Ohio), LLC ⁽¹⁾	0	0	0	0	0	0	0%
RiverVest Venture Partners II, L.P. ⁽²⁾	0	0	0	0	0	0	0%
RiverVest Venture Partners II, LLC ⁽³⁾	0	0	0	0	0	0	0%
RiverVest Venture Fund III, L.P.	0	0	0	0	0	0	0%
RiverVest Venture Fund III (Ohio), L.P.	0	0	0	0	0	0	0%
RiverVest Venture Partners III (Ohio), LLC ⁽⁴⁾	0	0	0	0	0	0	0%
RiverVest Venture Partners III, L.P. ⁽⁵⁾	0	0	0	0	0	0	0%
RiverVest Venture Partners III, LLC(6)	0	0	0	0	0	0	0%
3x5 RiverVest Fund II, L.P.	0	0	0	0	0	0	0%
3x5 RiverVest Fund II-B, L.P.	0	0	0	0	0	0	0%
3x5 RiverVest Partners II, LLC ⁽⁷⁾	0	0	0	0	0	0	0%
RiverVest 3x5 Managers II, L.P. ⁽⁸⁾	0	0	0	0	0	0	0%
RiverVest 3x5 Managers II, LLC ⁽⁹⁾	0	0	0	0	0	0	0%
John P. McKearn, Ph.D.(10)	108,159	108,159	0	108,159	0	108,159	0.1%
Jay Schmelter(11)	16,610	16,610	0	16,610	0	16,610	0.02%
Thomas C. Melzer ⁽¹²⁾	21,476	21,476	0	21,476	0	21,476	0.03%

- (*) Based on the 87,476,338 shares of Common Stock reported by the Issuer to be outstanding as of November 7, 2023 on the Issuer's Form 10-Q, filed with the SEC on November 13, 2023.
- (1) RiverVest Partners II (Ohio), as the general partner of RiverVest II (Ohio), may be deemed to beneficially own the shares of Common Stock owned by RiverVest II (Ohio).
- (2) RiverVest Partners II is the general partner of RiverVest II and the sole member of RiverVest Partners II (Ohio), which is the general partner of RiverVest II (Ohio), and as a result, may be deemed to beneficially own the shares of Common Stock owned by RiverVest II and the shares of Common Stock owned by RiverVest II (Ohio).
- (3) RiverVest Venture Partners II, LLC, a Delaware limited liability company, is the general partner of RiverVest Partners II, which is (a) the general partner of RiverVest II and (b) the sole member of RiverVest Partners II (Ohio), which is the general partner of RiverVest II (Ohio), and as a result, may be deemed to beneficially own the shares of Common Stock owned by RiverVest II and the shares of Common Stock owned by RiverVest II (Ohio)
- (4) RiverVest Partners III (Ohio) is the general partner of RiverVest III (Ohio), and as a result, may be deemed to beneficially own the shares of Common Stock owned by RiverVest III (Ohio).
- (5) RiverVest Partners III is the general partner of RiverVest III and the sole member of RiverVest Partners III (Ohio), which is the general partner of RiverVest III (Ohio), and as a result, may be deemed to beneficially own the shares of Common Stock owned by RiverVest III and the shares of Common Stock owned by RiverVest III (Ohio).
- (6) RiverVest Venture Partners III, LLC, a Delaware limited liability company, is the general partner of RiverVest Partners III, which is (a) the general partner of RiverVest III and (b) the sole member of RiverVest Partners III (Ohio), which is the general partner of RiverVest III (Ohio), and as a result, may be deemed to beneficially own the shares of Common Stock owned by RiverVest III and the shares of Common Stock owned by RiverVest III (Ohio).
- (7) 3x5 RiverVest Partners is the general partner of 3x5 RiverVest II and 3x5 RiverVest II-B, and as a result, may be deemed to beneficially own the shares of Common Stock owned by 3x5 RiverVest II and the shares of Common Stock owned by 3x5 RiverVest II-B.
- (8) RiverVest 3x5 Managers is one of two members of 3x5 RiverVest Partners, which is the general partner of 3x5 RiverVest II and 3x5 RiverVest II-B, and as a result, may be deemed to beneficially own the shares of Common Stock owned by 3x5 RiverVest II and the shares of Common Stock owned by 3x5 RiverVest II-B.
- (9) RiverVest 3x5 Managers II is the general partner of RiverVest 3x5 Managers, which is one of two members of 3x5 RiverVest Partners. 3x5 RiverVest Partners is the general partner of 3x5 RiverVest II and 3x5 RiverVest II-B. As a result, RiverVest 3x5 Managers II may be deemed to beneficially own the shares of Common Stock owned by 3x5 RiverVest II and the shares of Common Stock owned by 3x5 RiverVest II-B.
- (10) Dr. McKearn is an authorized person of RiverVest Venture Partners II, LLC, a Delaware limited liability company, which is the general partner of RiverVest Partners II. RiverVest Partners II is (a) the general partner of RiverVest II and (b) the sole member of RiverVest Partners II (Ohio), which is the general partner of RiverVest II (Ohio). As a result, Dr. McKearn may be deemed to beneficially own the shares of Common Stock owned by RiverVest II and the shares of Common Stock owned by RiverVest II (Ohio).
 - Dr. McKearn is a member of RiverVest Venture Partners III, LLC, a Delaware limited liability company, which is the general partner of RiverVest Partners III is (a) the general partner of RiverVest III and (b) the sole member of RiverVest Partners III (Ohio), which is the general partner of RiverVest III (Ohio). As a result, Dr. McKearn may be deemed to beneficially own the shares of Common Stock owned by RiverVest III and the shares of Common Stock owned by RiverVest III (Ohio).

Dr. McKearn is a member of RiverVest 3x5 Managers II, the general partner of RiverVest 3x5 Managers, which in turn is one of two members of 3x5 RiverVest Partners. 3x5 RiverVest Partners is the general partner of 3x5 RiverVest II and 3x5

RiverVest II-B. As a result, Dr. McKearn may be deemed to beneficially own the shares of Common Stock owned by 3x5 RiverVest II and the shares of Common Stock owned by 3x5 RiverVest II-B.

- Represents 168,590 fully vested options granted to Dr. McKearn by the Issuer as reported by the Issuer on the Issuer's Proxy Statement, filed with the SEC on April 20, 2023.
- (11) Mr. Schmelter is a member of RiverVest Venture Partners II, LLC, a Delaware limited liability company, which is the general partner of RiverVest Partners II. RiverVest Partners II is (a) the general partner of RiverVest II and (b) the sole member of RiverVest Partners II (Ohio), which is the general partner of RiverVest II (Ohio). As a result, Mr. Schmelter may be deemed to beneficially own the shares of Common Stock owned by RiverVest II and the shares of Common Stock owned by RiverVest II (Ohio).
 - Mr. Schmelter is a member of RiverVest Venture Partners III, LLC, a Delaware limited liability company, which is the general partner of RiverVest Partners III. RiverVest Partners III is (a) the general partner of RiverVest III and (b) the sole member of RiverVest Partners III (Ohio), which is the general partner of RiverVest III (Ohio). As a result, Mr. Schmelter may be deemed to beneficially own the shares of Common Stock owned by RiverVest III and the shares of Common Stock owned by RiverVest III (Ohio).
 - Mr. Schmelter is a member of RiverVest 3x5 Managers II, the general partner of RiverVest 3x5 Managers, which in turn is one of two members of 3x5 RiverVest Partners. 3x5 RiverVest Partners is the general partner of 3x5 RiverVest II and 3x5 RiverVest II-B. As a result, Mr. Schmelter may be deemed to beneficially own the shares of Common Stock owned by 3x5 RiverVest II and the shares of Common Stock owned by 3x5 RiverVest II-B.
- (12) Mr. Melzer is a member of RiverVest Venture Partners II, LLC, a Delaware limited liability company, which is the general partner of RiverVest Partners II. RiverVest Partners II is (a) the general partner of RiverVest II and (b) the sole member of RiverVest Partners II (Ohio), which is the general partner of RiverVest II (Ohio). As a result, Mr. Melzer may be deemed to beneficially own the shares of Common Stock owned by RiverVest II and the shares of Common Stock owned by RiverVest II (Ohio).
 - Mr. Melzer is a member of RiverVest Venture Partners III, LLC, a Delaware limited liability company, which is the general partner of RiverVest Partners III is (a) the general partner of RiverVest III and (b) the sole member of RiverVest Partners III (Ohio), which is the general partner of RiverVest III (Ohio). As a result, Mr. Melzer may be deemed to beneficially own the shares of Common Stock owned by RiverVest III and the shares of Common Stock owned by RiverVest III (Ohio).
 - Mr. Melzer is a member of RiverVest 3x5 Managers II, the general partner of RiverVest 3x5 Managers, which in turn is one of two members of 3x5 RiverVest Partners. 3x5 RiverVest Partners is the general partner of 3x5 RiverVest II and 3x5 RiverVest II-B. As a result, Mr. Melzer may be deemed to beneficially own the shares of Common Stock owned by 3x5 RiverVest II and the shares of Common Stock owned by 3x5 RiverVest II-B.
- By virtue of the relationships described herein, the Reporting Persons may be deemed to constitute a "group" for purposes of Section 13(d) (3) of the Act. The filing of this Statement shall not be construed as an admission that the Reporting Persons are a group, or have agreed to act as a group. Each Reporting Person expressly disclaims beneficial ownership of the securities reported herein, except to the extent such Reporting Person actually exercises voting or dispositive power with respect to such securities.
- (c) Except as set forth herein, none of the Reporting Persons has effected any transactions in the shares of the Issuer's Common Stock during the last 60 days.
- (d) No change.
- (e) The Reporting Persons ceased to own more than five percent of the outstanding Common Stock on January 16, 2024.

Item 6. Contracts, Arrangements, Understandings or Relationships With Respect to Securities of the Issuer.

No change.

Item 7. Material to be Filed as Exhibits.

Exhibit A: Joint Filing Agreement, dated September 10, 2018, by and among the Reporting Persons.*

Previously filed.

SIGNATURES

After reasonable inquiry and to the best of our knowledge and belief, the undersigned certify that the information set forth in this statement is true, complete and correct.

February 1, 2024

RiverVest Venture Fund II, L.P.

By: RiverVest Venture Partners II, L.P.,

its general partner

By: RiverVest Venture Partners II, LLC,

its general partner

By: /s/ John P. McKearn

Name: John P. McKearn, Ph.D. Title: Authorized Person

RiverVest Venture Partners II (Ohio), LLC

By: RiverVest Venture Partners II, L.P., its sole member

By: RiverVest Venture Partners II, LLC, its general partner

By: /s/ John P. McKearn

Name: John P. McKearn, Ph.D. Title: Authorized Person

RiverVest Venture Partners II, LLC

By: /s/ John P. McKearn

Name: John P. McKearn, Ph.D. Title: Authorized Person

RiverVest Venture Fund III (Ohio), L.P.

By: RiverVest Venture Partners III (Ohio), LLC, its general partner

By: RiverVest Venture Partners III, L.P.,

its sole member

By: RiverVest Venture Partners III, LLC,

its general partner

By: /s/ John P. McKearn

Name: John P. McKearn, Ph.D.

Title: Member

RiverVest Venture Fund II (Ohio), L.P.

By: RiverVest Venture Partners II (Ohio), LLC,

its general partner

By: RiverVest Venture Partners II, L.P.,

its sole member

By: RiverVest Venture Partners II, LLC,

its general partner

By: /s/ John P. McKearn

Name: John P. McKearn, Ph.D. Title: Authorized Person

RiverVest Venture Partners II L.P.

By: RiverVest Venture Partners II, LLC, its general partner

By: /s/ John P. McKearn

Name: John P. McKearn, Ph.D. Title: Authorized Person

RiverVest Venture Fund III. L.P.

By: RiverVest Venture Partners III, L.P.,

its general partner

By: RiverVest Venture Partners III, LLC,

its general partner

By: /s/ John P. McKearn

Name: John P. McKearn, Ph.D.

Title: Member

RiverVest Venture Partners III (Ohio), LLC

By: RiverVest Venture Partners III, L.P.,

its sole member

By: RiverVest Venture Partners III, LLC,

its general partner

By: /s/ John P. McKearn

Name: John P. McKearn, Ph.D.

Title: Member

[Signature Page of Schedule 13D/A]

RiverVest Venture Partners III, L.P.

By: RiverVest Venture Partners III, LLC,

its general partner

By: /s/ John P. McKearn

Name: John P. McKearn, Ph.D.

Title: Member

3x5 RiverVest Fund II, L.P.

By: 3x5 RiverVest Partners II, LLC, its general partner

By: RiverVest 3x5 Managers II, L.P.,

its member

By: RiverVest 3x5 Managers II, LLC,

its general partner

By: /s/ John P. McKearn

Name: John P. McKearn, Ph.D.

Title: Member

3x5 RiverVest Partners II, LLC

By: RiverVest 3x5 Managers II, L.P.,

its member

By: RiverVest 3x5 Managers II, LLC,

its general partner

By: /s/ John P. McKearn

Name: John P. McKearn, Ph.D.

Title: Member

RiverVest 3x5 Managers II, LLC

By: /s/ John P. McKearn

Name: John P. McKearn, Ph.D.

Title: Member

/s/ Jay Schmelter

Jay Schmelter

RiverVest Venture Partners III, LLC

By: /s/ John P. McKearn

Name: John P. McKearn, Ph.D.

Title: Member

3x5 RiverVest Fund II-B, L.P.

By: 3x5 RiverVest Partners II, LLC, its general partner

By: RiverVest 3x5 Managers II, L.P., its member

By: RiverVest 3x5 Managers II, LLC, its general partner

By: /s/ John P. McKearn

Name: John P. McKearn, Ph.D.

Title: Member

RiverVest 3x5 Managers II, L.P.

By: RiverVest 3x5 Managers II, LLC,

its general partner

By: /s/ John P. McKearn

Name: John P. McKearn, Ph.D.

Title: Member

/s/ John P. McKearn

John P. McKearn, Ph.D.

/s/ Thomas C. Melzer

Thomas C. Melzer