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

SCHEDULE 13G Under the Securities Exchange Act of 1934

(Amendment No. 1)*

Beam Therapeutics, Inc.

(Name of Issuer)

Common Stock par value \$0.01 per share

(Title of Class of Securities)

07373V105

(CUSIP Number)

December 31, 2021

(Date of Event Which Requires Filing of This Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

□ Rule 13d-1(b)
 □ Rule 13d-1(c)
 ☑ Rule 13d-1(d)

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

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

1	NAMES OF REPORTING PERSON(S)						
	ARCH Venture Fund IX, L.P.						
2	CHECK THE	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) (b)					
3	SEC USE ONI	SEC USE ONLY					
4	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware						
		5	SOLE VOTING POWER 0				
S	MBER OF HARES EFICIALLY	ARES 5,843,039					
OWNE RE			SOLE DISPOSITIVE POWER				
		8	SHARED DISPOSITIVE POWER 5,843,039				
9	AGGREGATI 5,843,039	e amou	JNT BENEFICIALLY OWNED BY EACH REPORTING PERSON				
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES						
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 8.6%						
12	TYPE OF REPORTING PERSON						
	PN						

1	NAMES OF REPORTING PERSON(S)						
	ARCH Ventur	ARCH Venture Fund IX Overage, L.P.					
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) (b) (b)						
3	SEC USE ONLY						
4	CITIZENSHIP	P OR PL	ACE OF ORGANIZATION				
	Delaware						
		5	SOLE VOTING POWER				
			0				
		6	SHARED VOTING POWER				
S	MBER OF HARES EFICIALLY		5,843,039				
OWNI	ED BY EACH PORTING	7	SOLE DISPOSITIVE POWER				
PER	SON WITH		0				
		8	SHARED DISPOSITIVE POWER				
			5,843,039				
9	AGGREGAT	E AMOU	JNT BENEFICIALLY OWNED BY EACH REPORTING PERSON				
	5,843,039						
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES						
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)						
	8.6%						
12	TYPE OF RE	PORTIN	IG PERSON				
	PN						

1 NAMES OF REPORTING PERSON(S)		EPORT	ING PERSON(S)			
•	ARCH Venture Partners IX, L.P.					
2	CHECK THE	APPRO	PRIATE BOX IF A MEMBER OF A GROUP	(a) (b) (c) (c) (c) (c) (c) (c) (c) (c		
3	SEC USE ONI	LY				
4	CITIZENSHIP	OR PL	ACE OF ORGANIZATION			
4	Delaware					
	Delaware		1			
		5	SOLE VOTING POWER			
			0			
		6	SHARED VOTING POWER			
	MBER OF HARES	U	5,843,039			
BENI	EFICIALLY CD BY EACH					
RE	PORTING SON WITH	7	SOLE DISPOSITIVE POWER			
I LIN			0			
		8	SHARED DISPOSITIVE POWER			
			5,843,039			
9	AGGREGAT	E AMOU	I UNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
0	5,843,039					
			ACCRECATE AMOUNT IN DOU/ (A) EVOLUDES CERTAIN SUARES			
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES		L			
11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)		S REPRESENTED BY AMOUNT IN ROW (9)				
	8.6%					
12	TYPE OF RE	PORTIN	NG PERSON			
16	PN					

1 NAMES OF REPORTING PERSON(S)							
	ARCH Ventur	ARCH Venture Partners IX Overage, L.P.					
2	CHECK THE A	APPROI	PRIATE BOX IF A MEMBER OF A GROUP	(a) 🗖 (b) 🗖			
3	SEC USE ONLY						
4	CITIZENSHIP	OR PL	ACE OF ORGANIZATION				
	Delaware						
		5	SOLE VOTING POWER				
			0				
		6	SHARED VOTING POWER				
S	MBER OF HARES		5,843,039				
OWNE	EFICIALLY ED BY EACH PORTING	7	SOLE DISPOSITIVE POWER				
PER	SON WITH		0				
		8	SHARED DISPOSITIVE POWER				
			5,843,039				
9	AGGREGATI	E AMOU	I JNT BENEFICIALLY OWNED BY EACH REPORTING PERSON				
	5,843,039						
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES						
11	11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)						
	8.6%						
12	TYPE OF RE	PORTIN	IG PERSON				
PN							

CUSIP No. 07373V105				13G	Page 6 of 15 Pages	
1	NAMES OF REPORTING PERSON(S) ARCH Venture Partners IX, LLC					
2	CHECK THE	APPRO	PRIATE BOX IF A ME	MBER OF A GROUP	(a) (b) (b)	
3	SEC USE ONLY					
4	CITIZENSHIF Delaware	OR PL	ACE OF ORGANIZAT	ION		
S BENI OWNI RE	MBER OF HARES EFICIALLY ED BY EACH PORTING SON WITH	5 6 7 8	SOLE VOTING PO 0 SHARED VOTING 5,843,039 SOLE DISPOSITIV 0 SHARED DISPOSI 5,843,039	POWER /E POWER		
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 5,843,039					
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES					
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 8.6%					
12	TYPE OF REPORTING PERSON OO					

CUSIP No. 07373V105

1	NAMES OF R	EPORTI	NG PERSON(S)			
	Keith Crandell					
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP					
				(b) 🗖		
3	SEC USE ONI	LY				
3						
4	CITIZENSHIP	OR PL	ACE OF ORGANIZATION			
	United States	of Amer	ica			
			SOLE VOTING POWER			
		5				
			15,328			
	6 SHARED VO		SHARED VOTING POWER			
S	MBER OF HARES		5,843,039			
OWNE	EFICIALLY ED BY EACH	7	SOLE DISPOSITIVE POWER			
	PORTING SON WITH	1	15,328			
			10,020			
		8	SHARED DISPOSITIVE POWER			
			5,843,039			
•	AGGREGAT	F AMOI	JNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
9						
	5,858,367					
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES					
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)					
11	8.6%					
12	TYPE OF RE	PORTIN	G PERSON			
	IN					

CUSIP No. 07373V105

1	NAMES OF REPORTING PERSON(S)					
-	Clinton Bybee					
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a					
3	SEC USE ONI	LY				
J						
4	CITIZENSHIP	OR PL	ACE OF ORGANIZATION			
	United States	of Amer	ica			
			SOLE VOTING POWER			
		5				
			4,867			
			SHARED VOTING POWER			
-	MBER OF HARES		5,843,039			
	EFICIALLY ED BY EACH	-	SOLE DISPOSITIVE POWER			
	PORTING SON WITH	7				
			4,867			
		8	SHARED DISPOSITIVE POWER			
			5,843,039			
	ACCDECAT					
9		e amou	JNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
	5,847,906					
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES					
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)					
11						
	8.6%					
12	TYPE OF RE	PORTIN	IG PERSON			
	IN					

CUSIP No. 07373V105

NAMES OF REPORTING PERSON(S)					
Robert Nelsen					
CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP					
SEC USE ONI	LY				
CITIZENSHIP	OR PL	ACE OF ORGANIZATION			
United States	of Ame	rica			
	F	SOLE VOTING POWER			
	5				
		20,111			
6 SHARED VOTING POWER		SHARED VOTING POWER			
HARES		5,843,039			
ED BY EACH	7	SOLE DISPOSITIVE POWER			
PORTING SON WITH	1	28.111			
	8	SHARED DISPOSITIVE POWER			
		5,843,039			
AGGREGATI	e amoi	I JNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
5.871.150					
CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES					
PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)					
11					
	DOD				
	PORTÍN	IG PERSON			
IN					
	Robert Nelsen CHECK THE SEC USE ONI CITIZENSHIF United States EFICIALLY D BY EACH PORTING SON WITH AGGREGATI 5,871,150 CHECK BOX PERCENT OF 8.6% TYPE OF RE	Robert Nelsen CHECK THE APPROF SEC USE ONLY CITIZENSHIP OR PLA United States of Amer DBY EACH OFHARES EFICIALLY D BY EACH ORTING ON WITH COF AGGREGATE AMOU 5,871,150 CHECK BOX IF THE AGGREGATE AMOU 5,871,150 CHECK BOX IF THE AGGREGATE AMOU 5,871,150 CHECK BOX IF THE	Robert Nelsen CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP SEC USE ONLY CITIZENSHIP OR PLACE OF ORGANIZATION United States of America SOLE VOTING POWER 28,111 6 SHARED VOTING POWER 28,111 6 7 SOLE UPOSITIVE POWER 28,111 8 8 SHARED VOTING POWER 28,111 8 8 SHARED UPOSITIVE POWER 28,111 8 8 SHARED DISPOSITIVE POWER 28,111 8 9 SHARED DISPOSITIVE POWER 28,11,100 5,443,039 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)		

Item 1(a). <u>Name of Issuer:</u>

Beam Therapeutics, Inc. (the "Issuer").

Item 1(b). Address of Issuer's Principal Executive Offices:

238 Main Street, Cambridge, MA 02142

Item 2(a). <u>Name of Person Filing:</u>

ARCH Venture Fund IX, L.P. ("AVF IX"); ARCH Venture Partners IX, L.P. ("AVP IX LP"); ARCH Venture Partners IX, LLC ("AVP IX LLC"); ARCH Venture Fund IX Overage, L.P. ("AVF IX Overage"); ARCH Venture Partners IX Overage, L.P. ("AVP IX Overage GP") (collectively, the "Reporting Entities" and individually, each a "Reporting Entity"); and Keith Crandell ("Crandell"), Robert Nelsen ("Nelsen") and Clinton Bybee ("Bybee") (collectively, the "Managing Directors" and individually, each a "Managing Director"). The Reporting Entities and the Managing Directors collectively are referred to as the "Reporting Persons".

Item 2(b). Address of Principal Business Office or, if none, Residence:

8755 W. Higgins Avenue, Suite 1025, Chicago, IL 60631

Item 2(c). <u>Citizenship:</u>

Each of AVF IX, AVF IX LP, AVF IX Overage and AVP IX Overage GP, are limited partnerships organized under the laws of the State of Delaware. AVP IX LLC is a limited liability company organized under the laws of the State of Delaware. Each Managing Director is a US citizen.

Item 2(d). <u>Title of Class of Securities:</u>

Common stock, par value \$0.01 per share.

Item 2(e). <u>CUSIP Number:</u>

07373V105

Item 3. If this statement is filed pursuant to Rule 13d-1(b), or 13d-2(b) or (c), Check Whether the Person Filing is a:

Not applicable.

Item 4. <u>Ownership:</u>

(a) Amount beneficially owned:

AVF IX is the record owner of 2,921,520 shares of Common Stock (the "AVF IX Shares") as of December 31, 2021. AVP IX LP, as the sole general partner of ARCH Venture Fund IX, may be deemed to beneficially own the AVF IX Shares. AVF IX Overage is the record owner of 2,921,519 shares of Common Stock (the "AVF IX Overage Shares"; combined with AVF IX Shares, the "Record Shares") as of December 31, 2021. AVP IX Overage GP, as the sole general partner of ARCH IX, Overage, may be deemed to beneficially own the AVF IX Overage Shares. AVP IX LLC, as the sole general partner of AVP IX LP and AVP IX Overage GP, may be deemed to beneficially own the Record Shares. As managing directors of AVP IX LLC, each Managing Director may also be deemed to share the power to direct the disposition and vote of the Record Shares. In addition, as of December 31, 2021, Crandell is a holder of 15,328 Shares of Common Stock, and Nelsen is a holder of 28,111 shares of Common Stock.

(b) Percent of class:

See line 11 of the cover sheets. The percentages set forth on the cover sheet for each Reporting Person is based upon 68,135,798 shares of common stock outstanding as of November 1, 2021 as reported on the Issuer's Form 10-Q as filed with the Securities and Exchange Commission on November 8, 2021.

(c) Number of shares as to which such person has:

(i) Sole power to vote or to direct the vote:

See line 5 of the cover sheets.

(ii) Shared power to vote or to direct the vote:

See line 6 of the cover sheets.

(iii) Sole power to dispose or to direct the disposition:

See line 7 of the cover sheets.

(iv) Shared power to dispose or to direct the disposition:

See line 8 of the cover sheets.

Each Reporting Person disclaims beneficial ownership of such shares of Common Stock except for the shares, if any, such Reporting Person holds of record.

Item 5. <u>Ownership of Five Percent or Less of a Class.</u>

Not applicable.

Item 6. <u>Ownership of More than Five Percent on Behalf of Another Person.</u>

Not applicable.

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company.

Not applicable.

Item 8. Identification and Classification of Members of the Group.

Not applicable.

Item 9. <u>Notice of Dissolution of Group.</u>

Not applicable.

Item 10. <u>Certifications.</u>

Not applicable.

SIGNATURE

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

Dated: February 14, 2022

ARCH VENTURE FUND IX, L.P.

- By: ARCH Venture Partners IX, L.P. its General Partner
 - By: ARCH Venture Partners IX, LLC its General Partner
 - By: * Keith Crandell Managing Director

ARCH VENTURE PARTNERS IX, L.P.

By: ARCH Venture Partners IX, LLC its General Partner

By: <u>*</u> Keith Crandell Managing Director

ARCH VENTURE PARTNERS IX, LLC

By:

Keith Crandell Managing Director

ARCH VENTURE FUND IX OVERAGE, L.P.

- By: ARCH Venture Partners IX Overage, L.P. its General Partner
 - By: ARCH Venture Partners IX, LLC its General Partner

By: _____

Keith Crandell Managing Director

ARCH VENTURE PARTNERS IX OVERAGE, L.P.

By: ARCH Venture Partners IX, LLC its General Partner

By: <u>*</u> Keith Crandell Managing Director

Keith Crandell

Robert Nelsen

Clinton Bybee

* By: <u>/s/ Mark McDonnell</u> Mark McDonnell as Attorney-in-Fact

* This Schedule 13G was executed by Mark McDonnell pursuant to a Power of Attorney filed as Exhibit 24 to the Form 3 relating to the beneficial ownership of shares of Gossamer Bio, Inc. by the Reporting Persons filed with the Securities Exchange Commission on February 7, 2019 and incorporated herein in its entirety by reference.

Exhibit 1

AGREEMENT

Pursuant to Rule 13d-1-(k)(1) under the Securities Exchange Act of 1934, the undersigned hereby agree that only one statement containing the information required by Schedule 13G need be filed with respect to the ownership by each of the undersigned of shares of stock of Beam Therapeutics, Inc.

This Agreement may be executed in any number of counterparts, each of which shall be deemed an original.

Dated: February 14, 2022

ARCH VENTURE FUND IX, L.P.

- By: ARCH Venture Partners IX, L.P. its General Partner
 - By: ARCH Venture Partners IX, LLC its General Partner

By:

Keith Crandell Managing Director

ARCH VENTURE PARTNERS IX, L.P.

By: ARCH Venture Partners IX, LLC its General Partner

By: <u>*</u> Keith Crandell Managing Director

ARCH VENTURE PARTNERS IX, LLC

By:

Keith Crandell Managing Director

ARCH VENTURE FUND IX OVERAGE, L.P.

- By: ARCH Venture Partners IX Overage, L.P. its General Partner
 - By: ARCH Venture Partners IX, LLC its General Partner

By: <u>*</u> Keith Crandell Managing Director

ARCH VENTURE PARTNERS IX OVERAGE, L.P.

By:	ARCH Venture Partners IX, LLC
-	its General Partner

By: * Keith Crandell Managing Director

	*
Keith Crandell	
	*
Robert Nelsen	
	*

Clinton Bybee

* By: <u>/s/ Mark McDonnell</u> Mark McDonnell as Attorney-in-Fact

* This Agreement of Joint Filing was executed by Mark McDonnell pursuant to a Power of Attorney filed as Exhibit 24 to the Form 3 relating to the beneficial ownership of shares of Gossamer Bio, Inc. by the Reporting Persons filed with the Securities Exchange Commission on February 7, 2019 and incorporated herein in its entirety by reference.