SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

SCHEDULE 13D

Under the Securities Exchange Act of 1934

ASPEN NEUROSCIENCE, INC.

(Name of Issuer)

Common stock, par value $0.0001 per share

(Title of Class of Securities)

(CUSIP Number)

Mark McDonnell
ARCH Venture Management, LLC, 8755 W. Higgins Road Suite 1025
Chicago, IL, 60631
773-380-6600

(Name, Address and Telephone Number of Person Authorized to Receive Notices and Communications)

11/02/2026

(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 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).

SCHEDULE 13D

CUSIP No.

1	Name of reporting person ARCH Venture Fund X, L.P.
2	Check the appropriate box if a member of a Group (See Instructions) ☐ (a) ☐ (b)
3	SEC use only

4	Source of funds (See Instructions)	
	WC	
5	Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)	
	☐	
6	Citizenship or place of organization	
	DELAWARE	
Number of Shares Beneficially Owned by Each Reporting Person With:	7	Sole Voting Power
		0.00
	8	Shared Voting Power
		3,754,922.00
	9	Sole Dispositive Power
		0.00
	10	Shared Dispositive Power
		3,754,922.00
11	Aggregate amount beneficially owned by each reporting person	
	3,754,922.00	
12	Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)	
	☐	
13	Percent of class represented by amount in Row (11)	
	12.9 %	
14	Type of Reporting Person (See Instructions)	
	PN	

SCHEDULE 13D

CUSIP No.

1	Name of reporting person	
	ARCH Venture Partners X, L.P.	
2	Check the appropriate box if a member of a Group (See Instructions)	
	☐ (a) ☐ (b)	
3	SEC use only	
4	Source of funds (See Instructions)	
	WC	
5	Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)	
	☐	
6	Citizenship or place of organization	
	DELAWARE	
Number of Shares Beneficially Owned by	7	Sole Voting Power
		0.00
	8	Shared Voting Power

Each Reporting Person With:		3,754,922.00
		Sole Dispositive Power
	9	
		0.00
		Shared Dispositive Power
	10	
		3,754,922.00
		Aggregate amount beneficially owned by each reporting person
11		
		3,754,922.00
		Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)
12		
		☐
		Percent of class represented by amount in Row (11)
13		
		12.9 %
		Type of Reporting Person (See Instructions)
14		
		PN

SCHEDULE 13D

CUSIP No.

		Name of reporting person
1		
		ARCH Venture Fund X Overage, L.P.
		Check the appropriate box if a member of a Group (See Instructions)
2		
		☐ (a) ☐ (b)
3		SEC use only
		Source of funds (See Instructions)
4		
		WC
		Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)
5		
		☐
		Citizenship or place of organization
6		
		DELAWARE
		Sole Voting Power
	7	
		0.00
Number of Shares Beneficially Owned by Each Reporting Person With:		Shared Voting Power
	8	
		3,754,922.00
		Sole Dispositive Power
	9	
		0.00
		Shared Dispositive Power
	10	
		3,754,922.00
		Aggregate amount beneficially owned by each reporting person
11		
		3,754,922.00
12		Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)

☐

Percent of class represented by amount in Row (11)

13

12.9 %

Type of Reporting Person (See Instructions)

14

PN

SCHEDULE 13D

CUSIP No.

Name of reporting person

1

ARCH Venture Partners X Overage, L.P.

Check the appropriate box if a member of a Group (See Instructions)

2

☐ (a)
☐ (b)

3 SEC use only

Source of funds (See Instructions)

4

WC

Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)

5

☐

Citizenship or place of organization

6

DELAWARE

Number of Shares Beneficially Owned by Each Reporting Person With:

Sole Voting Power

7

0.00

Shared Voting Power

8

3,754,922.00

Sole Dispositive Power

9

0.00

Shared Dispositive Power

10

3,754,922.00

Aggregate amount beneficially owned by each reporting person

11

3,754,922.00

Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)

12

☐

Percent of class represented by amount in Row (11)

13

12.9 %

Type of Reporting Person (See Instructions)

14

PN

SCHEDULE 13D

CUSIP No.

1	Name of reporting person ARCH Venture Partners X, LLC	
2	Check the appropriate box if a member of a Group (See Instructions) ☐ (a) ☐ (b)	
3	SEC use only	
4	Source of funds (See Instructions) AF	
5	Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e) ☐	
6	Citizenship or place of organization DELAWARE	
Number of Shares Beneficially Owned by Each Reporting Person With:	7	Sole Voting Power 0.00
	8	Shared Voting Power 3,754,922.00
	9	Sole Dispositive Power 0.00
	10	Shared Dispositive Power 3,754,922.00
11	Aggregate amount beneficially owned by each reporting person 3,754,922.00	
12	Check if the aggregate amount in Row (11) excludes certain shares (See Instructions) ☐	
13	Percent of class represented by amount in Row (11) 12.9 %	
14	Type of Reporting Person (See Instructions) OO	

SCHEDULE 13D

CUSIP No.

1	Name of reporting person ARCH Venture Fund XIV, L.P.
2	Check the appropriate box if a member of a Group (See Instructions) ☐ (a) ☐ (b)
3	SEC use only
4	Source of funds (See Instructions)

WC

Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)

5

☐

Citizenship or place of organization

6

DELAWARE

Number of Shares Beneficially Owned by Each Reporting Person With:

Sole Voting Power

7

0.00

Shared Voting Power

8

3,754,922.00

Sole Dispositive Power

9

0.00

Shared Dispositive Power

10

3,754,922.00

Aggregate amount beneficially owned by each reporting person

11

3,754,922.00

Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)

12

☐

Percent of class represented by amount in Row (11)

13

12.9 %

Type of Reporting Person (See Instructions)

14

PN

SCHEDULE 13D

CUSIP No.

Name of reporting person

1

ARCH Venture Partners XIV, L.P.

Check the appropriate box if a member of a Group (See Instructions)

2

☐ (a)
☐ (b)

3 SEC use only

Source of funds (See Instructions)

4

WC

Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)

5

☐

Citizenship or place of organization

6

DELAWARE

Number of Shares Beneficially Owned by Each Reporting

Sole Voting Power

7

0.00

Shared Voting Power

8

3,754,922.00

Person With:	9	Sole Dispositive Power 0.00
	10	Shared Dispositive Power 3,754,922.00
11		Aggregate amount beneficially owned by each reporting person 3,754,922.00
12		Check if the aggregate amount in Row (11) excludes certain shares (See Instructions) ☐
13		Percent of class represented by amount in Row (11) 12.9 %
14		Type of Reporting Person (See Instructions) PN

SCHEDULE 13D

CUSIP No.

1		Name of reporting person ARCH Venture Partners XIV, LLC
2		Check the appropriate box if a member of a Group (See Instructions) ☐ (a) ☐ (b)
3		SEC use only
4		Source of funds (See Instructions) AF
5		Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e) ☐
6		Citizenship or place of organization DELAWARE
Number of Shares Beneficially Owned by Each Reporting Person With:	7	Sole Voting Power 0.00
	8	Shared Voting Power 3,754,922.00
	9	Sole Dispositive Power 0.00
	10	Shared Dispositive Power 3,754,922.00
11		Aggregate amount beneficially owned by each reporting person 3,754,922.00
12		Check if the aggregate amount in Row (11) excludes certain shares (See Instructions) ☐
13		Percent of class represented by amount in Row (11)

12.9 %

Type of Reporting Person (See Instructions)

14 OO

SCHEDULE 13D

CUSIP No.

Name of reporting person

1 Robert Nelsen

Check the appropriate box if a member of a Group (See Instructions)

2 ☐ (a) ☐ (b)

3 SEC use only

Source of funds (See Instructions)

4 AF

Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)

5 ☐

Citizenship or place of organization

6 UNITED STATES

Number of Shares Beneficially Owned by Each Reporting Person With:	7	Sole Voting Power 0.00
	8	Shared Voting Power 3,754,922.00
	9	Sole Dispositive Power 0.00
	10	Shared Dispositive Power 3,754,922.00

Aggregate amount beneficially owned by each reporting person

11 3,754,922.00

Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)

12 ☐

Percent of class represented by amount in Row (11)

13 12.9 %

Type of Reporting Person (See Instructions)

14 IN

SCHEDULE 13D

CUSIP No.

1	Name of reporting person Keith Crandell	
2	Check the appropriate box if a member of a Group (See Instructions) ☐ (a) ☐ (b)	
3	SEC use only	
4	Source of funds (See Instructions) AF	
5	Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e) ☐	
6	Citizenship or place of organization UNITED STATES	
Number of Shares Beneficially Owned by Each Reporting Person With:	7	Sole Voting Power 0.00
	8	Shared Voting Power 3,754,922.00
	9	Sole Dispositive Power 0.00
	10	Shared Dispositive Power 3,754,922.00
11	Aggregate amount beneficially owned by each reporting person 3,754,922.00	
12	Check if the aggregate amount in Row (11) excludes certain shares (See Instructions) ☐	
13	Percent of class represented by amount in Row (11) 12.9 %	
14	Type of Reporting Person (See Instructions) IN	

SCHEDULE 13D

CUSIP No.

1	Name of reporting person Kristina Burow	
2	Check the appropriate box if a member of a Group (See Instructions) ☐ (a) ☐ (b)	
3	SEC use only	
4	Source of funds (See Instructions) AF	

5	Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)	☐
6	Citizenship or place of organization	UNITED STATES
Number of Shares Beneficially Owned by Each Reporting Person With:	7 Sole Voting Power	0.00
	8 Shared Voting Power	3,754,922.00
	9 Sole Dispositive Power	0.00
	10 Shared Dispositive Power	3,754,922.00
11	Aggregate amount beneficially owned by each reporting person	3,754,922.00
12	Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)	☐
13	Percent of class represented by amount in Row (11)	12.9 %
14	Type of Reporting Person (See Instructions)	IN

SCHEDULE 13D

CUSIP No.

1	Name of reporting person	Steven Gillis
2	Check the appropriate box if a member of a Group (See Instructions)	☐ (a) ☐ (b)
3	SEC use only	
4	Source of funds (See Instructions)	AF
5	Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)	☐
6	Citizenship or place of organization	UNITED STATES
Number of Shares Beneficially Owned by Each Reporting	7 Sole Voting Power	0.00
	8 Shared Voting Power	3,754,922.00
	9 Sole Dispositive Power	

Person With:

0.00

Shared Dispositive Power

10

3,754,922.00

Aggregate amount beneficially owned by each reporting person

11

3,754,922.00

Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)

12

☐

Percent of class represented by amount in Row (11)

13

12.9 %

Type of Reporting Person (See Instructions)

14

IN

SCHEDULE 13D

CUSIP No.

Name of reporting person

1

Paul Berns

Check the appropriate box if a member of a Group (See Instructions)

2

☐ (a)

☐ (b)

3 SEC use only

Source of funds (See Instructions)

4

AF

Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)

5

☐

Citizenship or place of organization

6

UNITED STATES

Sole Voting Power

7

0.00

Number of Shares Beneficially Owned by Each Reporting Person With:

Shared Voting Power

8

1,200,000.00

Sole Dispositive Power

9

0.00

Shared Dispositive Power

10

1,200,000.00

Aggregate amount beneficially owned by each reporting person

11

1,200,000.00

Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)

12

☐

13 Percent of class represented by amount in Row (11)

4.1 %

Type of Reporting Person (See Instructions)

14 IN

SCHEDULE 13D

Item 1. Security and Issuer

(a) Title of Class of Securities:

Common stock, par value $0.0001 per share

(b) Name of Issuer:

ASPEN NEUROSCIENCE, INC.

(c) Address of Issuer's Principal Executive Offices:

10835 Road to the Cure, Suite 100, San Diego, CALIFORNIA , 92121.

Item 2. Identity and Background

(a) This statement is being filed with respect to shares of Common Stock, par value $0.0001 per share (the "Common Stock") of Aspen Neuroscience, Inc. (the "Issuer") by (1) ARCH Venture Fund X, L.P. ("AVF X"), (2) ARCH Venture Partners X, L.P. ("AVP X LP") which is the sole general partner of AVF X, (3) ARCH Venture Partners X, LLC ("AVP X LLC") which is the sole general partner of AVP X LP and AVP X Overage LP (defined below), (4) ARCH Venture Fund X Overage, L.P. ("AVF X Overage"), (5) ARCH Venture Partners X Overage, L.P. ("AVP X Overage LP"), which is the sole general partner of AVF X Overage, (6) ARCH Venture Fund XIV, L.P. ("AVF XIV"), (7) ARCH Venture Partners XIV, L.P. ("AVP XIV LP") which is the sole general partner of AVF XIV, (8) ARCH Venture Partners XIV, LLC ("AVP XIV LLC") which is the sole general partner of AVP XIV LP, (9) Keith Crandell ("Crandell"), (10) Robert Nelsen ("Nelsen"), (11) Kristina Burow ("Burow"), (12) Steven Gillis ("Gillis," together with Nelsen, Crandell and Burow, referred to individually as "AVP X Committee Member" or collectively as the "AVP X Investment Committee Members") and (13) Paul Berns ("Berns", together with Nelsen, Crandell, Gillis, and Burow, referred to individually as "AVP XIV Committee Member" or collectively as the "AVP XIV Investment Committee Members"). Each of the individuals and entities above shall be referred to herein as a "Reporting Person" and collectively as the "Reporting Persons."

(b) The business address of each of the Reporting Persons is 8755 West Higgins Road, Suite 1025, Chicago, IL, 60631.

(c) The principal business of AVP X LP is to act as the general partner of AVF X, the principal business of AVP X Overage LP is to act as the general partner of AVF X Overage, and the principal business of AVP XIV is to act as the general partner of AVF XIV LP. The principal business of AVP X LLC is to act as the general partner of AVP X LP and AVP X Overage LP, and the principal business of AVP XIV LLC is to act as the general partner of AVP XIV LP. AVP X Investment Committee Members and AVP XIV Investment Committee Members act as investment committee members of AVP X LLC and AVP XIV LLC, respectively, and as managing directors or investment committee members of a number of affiliated partnerships with similar businesses.

(d) During the five years prior to the date hereof, none of the Reporting Persons has been convicted in a criminal proceeding.

(e) During the five years prior to the date hereof, none of the Reporting Persons has been a party to a civil proceeding of a judicial or administrative body of competent jurisdiction ending in a judgment, decree or final order enjoining future violations of, or prohibiting or mandating activities subject to, Federal or State securities laws or finding any violation with respect to such laws.

(f) Each of AVF X, AVP X LP, AVF X Overage, AVP X Overage LP, AVF XIV and AVP XIV LP, is a limited partnership organized under the laws of the State of Delaware. Each of AVP X LLC and AVP XIV LLC is a limited liability company organized under the laws of the State of Delaware. Each Committee Member is a US citizen.

Item 3. Source and Amount of Funds or Other Consideration

On December 4, 2018, AVF X purchased 187,182 shares of Series Seed Preferred Stock of the Issuer at a purchase price of $5.34 per share. The number of shares reflects a 1 for 9.8821 reverse stock split effected immediately prior to the closing of the Issuer's initial public offering (the "IPO"). Each share of Series Seed Preferred Stock automatically converted into one share of the Issuer's Common Stock at the closing of the IPO. On March 27, 2020, AVF X and AVF X Overage each purchased 298,258 shares of Series A-1 Preferred Stock of the Issuer at a purchase price of $16.76 per share. The number of shares reflects a 1 for 9.8821 reverse stock split effected immediately prior to the closing of the IPO. Each share of Series A-1 Preferred Stock automatically converted into one share of the Issuer's Common Stock at the closing of the IPO. On May 6, 2021, AVF X and AVF X Overage each purchased 286,304 shares of Series A-2 Preferred Stock of the Issuer at a purchase price of $17.46 per share. The number of shares reflects a 1 for 9.8821 reverse stock split effected immediately prior to the closing of the IPO. Each share of Series A-2 Preferred Stock automatically converted into one share of the Issuer's Common Stock at the closing of the IPO. On

March 2, 2022, AVF X and AVF X Overage each purchased 295,490 shares of Series B Preferred Stock of the Issuer at a purchase price of $28.77 per share. The number of shares reflects a 1 for 9.8821 reverse stock split effected immediately prior to the closing of the IPO. Each share of Series B Preferred Stock automatically converted into one share of the Issuer's Common Stock at the closing of the IPO. On October 1, 2025, AVF X purchased 259,948 shares and AVF X Overage purchased 214,355 shares of Series C Preferred Stock of the Issuer at a purchase price of $15.00 per share. The number of shares reflects a 1 for 9.8821 reverse stock split effected immediately prior to the closing of the IPO. Each share of Series C Preferred Stock automatically converted into one share of the Issuer's Common Stock at the closing of the IPO. On November 2, 2026, AVF X purchased 66,666 shares, AVF X Overage purchased 66,667 shares, and AVF XIV purchased 1,200,000 shares of Common Stock at a purchase price of $15.00 per share from the underwriters of the IPO. The source of funds for each of the purchases described in this Item 3 was the working capital of AVF X, AVF X Overage, and AVF XIV. No part of the purchase price paid by AVF X, AVF X Overage, and AVF XIV was represented by funds or other consideration borrowed or otherwise obtained for the purpose of acquiring, holding, trading or voting the shares of Common Stock described above. The total amount paid by for securities purchased in the above-listed transactions is as follows: AVF X: $24,399,203.64 AVF X Overage: $22,715,335.19 AVF XIV: $18,000,000.00

Item 4. Purpose of Transaction

AVF X, AVF X Overage, AVF XIV and the other Reporting Persons acquired the Common Stock for investment purposes. Depending on market conditions, the continuing evaluation of the business and prospects of the Issuer and other factors, AVF X, AVF X Overage, AVF XIV and other Reporting Persons may dispose of or acquire additional shares of Common Stock of the Issuer. Except as set forth above, none of the Reporting Persons has any present plans which relate to or would result in the matters set forth in subparagraphs (a) - (j) of Item 4 of Schedule 13D.

Item 5. Interest in Securities of the Issuer

AVF X is the record owner of 1,393,848 shares of Common Stock ("AVF X Record Shares"). AVP X LP, as the sole general partner of AVF X, may be deemed to beneficially own the AVF X Record Shares. AVP X LLC, as the sole general partner of AVP X LP, may be deemed to beneficially own the AVF X Record Shares. AVF X Overage is the record holder of 1,161,074 shares of Common Stock ("AVF X Overage Record Shares"). AVP X Overage LP, as the sole general partner of AVF X Overage, may be deemed to beneficially own the AVF X Overage Record Shares. AVP X LLC, as the sole general partner of AVF X Overage LP, may be deemed to beneficially own the AVF X Overage Record Shares. AVF XIV is the record holder of 1,200,000 shares of Common Stock ("AVF XIV Record Shares," and together with the AVF X Record Shares and the AVF X Overage Record Shares, the "Record Shares"). AVP XIV LP, as the sole general partner of AVF XIV, may be deemed to beneficially own the AVF XIV Record Shares. AVP XIV LLC, as the sole general partner of AVP XIV LP, may be deemed to beneficially own the AVF XIV Record Shares.

(a) By virtue of their relationship as affiliated entities who have overlapping general partners and investment committee members, each of the AVP X Investment Committee Members and direct and indirect general partners of AVF X and AVF X Overage may be deemed to share the power to direct the AVF X Record Shares and the AVF X Overage Record Shares. By virtue of their relationship as affiliated entities who have overlapping general partners and investment committee members, each of the AVP XIV Investment Committee Members and direct and indirect general partners of AVF XIV may be deemed to share the power to direct the AVF XIV Record Shares. Each Reporting Person disclaims beneficial ownership of the Record Shares except for the shares, if any, held of record by such Reporting Person. The percentage of outstanding Common Stock of the Issuer which may be deemed to be beneficially owned by each Reporting Person is set forth on Line 13 of such Reporting Person's cover sheet. Such percentage was calculated based on the 29,078,600 shares outstanding following the IPO, as reported by the Issuer in its Prospectus filed pursuant to Rule 424(b)(4) with the Securities and Exchange Commission on October 30, 2026.

(b) Regarding the number of shares as to which such person has: (i) sole power to vote or to direct the vote: See line 7 of cover sheets. (ii) shared power to vote or to direct the vote: See line 8 of cover sheets. (iii) sole power to dispose or to direct the disposition: See line 9 of cover sheets. (iv) shared power to dispose or to direct the disposition: See line 10 of cover sheets.

(c) The information set forth in Item 3 of the Schedule 13D is incorporated herein by reference. Except as set forth in Item 3, none of the Reporting Persons has effected any transaction in the Common Stock during the last 60 days.

(d) No other person is known to have the right to receive or the power to direct the receipt of dividends from, or any proceeds from the sale of, shares beneficially owned by any of the Reporting Persons.

(e) Not applicable.

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

AVF X and AVF X Overage are parties to that certain Amended and Restated Investors' Rights Agreement, dated October 1, 2025, (the "Investor Rights Agreement"). Pursuant to the Investor Rights Agreement, AVF X and AVF X Overage have certain registration rights with respect to their shares of Common Stock. Specifically, the Issuer has granted demand, piggyback and Form S-3 registration rights, which will terminate upon the earlier of (i) the closing of a Deemed Liquidation Event or SPAC Transaction (as each such term is defined in the Issuer's Certificate of Incorporation), (ii) such time after consummation of the IPO as Rule 144 or another similar exemption under the Securities Act is available for the sale of all of such holder's shares without limitation during a three-month period without registration, and (iii) the fifth anniversary of the IPO. Effective as of the closing of the IPO, the covenants relating to delivery of financial statements, inspection rights, and observer rights set forth in Section 3 and the rights of first offer were terminated. The foregoing description of the Investor Rights Agreement does not purport to be complete and is qualified in its entirety by reference to the full text of such agreement, which is filed as Exhibit 2 to this Schedule 13D and is incorporated herein by reference. AVF X, AVF X Overage, and AVF XIV have entered into lock-up agreements with the underwriters of the IPO (the "Lock-Up Agreement") pursuant to which AVF X, AVF X

Overage, and AVF XIV have agreed, subject to certain exceptions, not to offer, pledge, announce the intention to sell, sell, contract to sell, sell any option or contract to purchase, purchase any option or contract to sell, grant any option, right or warrant to purchase or otherwise dispose of, directly or indirectly, or enter into any swap or other agreement that transfers, in whole or in part, any of the economic consequences of ownership of the Common Stock for a period of 180 days after October 30, 2026, except with the prior written consent of Leerink Partners LLC, Piper Sandler & Co., Stifel, Nicolaus & Company, Incorporated and UBS Securities LLC. The foregoing description of the Lock-Up Agreement does not purport to be complete and is qualified in its entirety by reference to the full text of such agreement, the form of which is filed as Exhibit 3 to this Schedule 13D and is incorporated herein by reference.

Item 7. Material to be Filed as Exhibits.

Exhibit 1- Agreement of Joint Filing Exhibit 2 - Amended and Restated Investors' Rights Agreement, dated October 1, 2025, as amended, by and among the Issuer and certain of its stockholders (incorporated by reference to Exhibit 4.1 to the Issuer's Registration Statement on Form S-1, filed with the Securities and Exchange Commission on October 9, 2026). Exhibit 3 - Form of Lock-Up Agreement (incorporated by reference to Exhibit A to the Form of Underwriting Agreement filed as Exhibit 1.1 to the Issuer's Registration Statement on Form S-1, filed with the Securities and Exchange Commission on October 9, 2026).

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.

ARCH Venture Fund X, L.P.

Signature: ARCH Venture Partners X, L.P.
Name/Title: its General Partner
Date: 11/09/2026

Signature: ARCH Venture Partners X, LLC
Name/Title: its General Partner
Date: 11/09/2026

Signature: /s/ Mark McDonnell
Name/Title: Keith Crandell, Managing Director, by Mark McDonnell, Attorney-in-Fact
Date: 11/09/2026

ARCH Venture Partners X, L.P.

Signature: ARCH Venture Partners X, LLC
Name/Title: its General Partner
Date: 11/09/2026

Signature: /s/ Mark McDonnell
Name/Title: Keith Crandell, Managing Director, by Mark McDonnell, Attorney-in-Fact
Date: 11/09/2026

ARCH Venture Fund X Overage, L.P.

Signature: ARCH Venture Partners X Overage, L.P.
Name/Title: its General Partner
Date: 11/09/2026

Signature: ARCH Venture Partners X, LLC
Name/Title: its General Partner
Date: 11/09/2026

Signature: /s/ Mark McDonnell
Name/Title: Keith Crandell, Managing Director, by Mark McDonnell, Attorney-in-Fact
Date: 11/09/2026

ARCH Venture Partners X Overage, L.P.

Signature: ARCH Venture Partners X, LLC
Name/Title: its General Partner
Date: 11/09/2026

Signature: /s/ Mark McDonnell
Name/Title: Keith Crandell, Managing Director, by Mark McDonnell, Attorney-in-Fact
Date: 11/09/2026

ARCH Venture Partners X, LLC

Signature: /s/ Mark McDonnell
Name/Title: Keith Crandell, Managing Director, by Mark McDonnell, Attorney-in-Fact
Date: 11/09/2026

ARCH Venture Fund XIV, L.P.

Signature: ARCH Venture Partners XIV, L.P.
Name/Title: its General Partner
Date: 11/09/2026

Signature: ARCH Venture Partners XIV, LLC
Name/Title: its General Partner
Date: 11/09/2026

Signature: /s/ Mark McDonnell
Name/Title: Keith Crandell, Managing Director, by Mark McDonnell, Attorney-in-Fact
Date: 11/09/2026

ARCH Venture Partners XIV, L.P.

Signature: ARCH Venture Partners XIV, LLC
Name/Title: its General Partner
Date: 11/09/2026

Signature: /s/ Mark McDonnell
Name/Title: Keith Crandell, Managing Director, by Mark McDonnell, Attorney-in-Fact
Date: 11/09/2026

ARCH Venture Partners XIV, LLC

Signature: /s/ Mark McDonnell
Name/Title: Keith Crandell, Managing Director, by Mark McDonnell, Attorney-in-Fact
Date: 11/09/2026

Robert Nelsen

Signature: /s/ Mark McDonnell
Name/Title: Mark McDonnell as Attorney-in-Fact for Robert Nelsen
Date: 11/09/2026

Keith Crandell

Signature: /s/ Mark McDonnell
Name/Title: Mark McDonnell as Attorney-in-Fact for Keith Crandell
Date: 11/09/2026

Kristina Burow

Signature: /s/ Mark McDonnell
Name/Title: Mark McDonnell as Attorney-in-Fact for Kristina Burow
Date: 11/09/2026

Steven Gillis

Signature: /s/ Mark McDonnell

Name/Title: Mark McDonnell as Attorney-in-Fact for Steven Gillis

Date: 11/09/2026

Paul Berns

Signature: /s/ Mark McDonnell

Name/Title: Mark McDonnell as Attorney-in-Fact for Paul Berns

Date: 11/09/2026

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 13D need be filed with respect to the ownership by each of the undersigned of shares of stock of Aspen Neuroscience, Inc.

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

Dated: November 9, 2026

ARCH VENTURE FUND X, L.P.

By: ARCH Venture Partners X, L.P.
its General Partner

By: ARCH Venture Partners X, LLC
its General Partner

By: *
Keith Crandell
Managing Director

ARCH VENTURE PARTNERS X, L.P.

By: ARCH Venture Partners X, LLC
its General Partner

By: *
Keith Crandell
Managing Director

ARCH VENTURE FUND X OVERAGE, L.P.

By: ARCH Venture Partners X Overage, L.P.
its General Partner

By: ARCH Venture Partners X, LLC
its General Partner

By: *
Keith Crandell
Managing Director

ARCH VENTURE PARTNERS X OVERAGE, L.P.

By: ARCH Venture Partners X, LLC
its General Partner

By: *
Keith Crandell
Managing Director

ARCH VENTURE PARTNERS X, LLC

By: *
Keith Crandell
Managing Director

ARCH VENTURE FUND XIV, L.P.

By: ARCH Venture Partners XIV, L.P.
its General Partner

By: ARCH Venture Partners XIV, LLC
its General Partner

By: **
Keith Crandell
Managing Director

ARCH VENTURE PARTNERS XIV, L.P.

By: ARCH Venture Partners XIV, LLC
its General Partner

By: **
Keith Crandell
Managing Director

ARCH VENTURE PARTNERS XIV, LLC

By: **
Keith Crandell
Managing Director

*
Keith Crandell

*
Robert Nelsen

*
Kristina Burow

*
Steven Gillis

*
Paul Berns

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

* This Agreement of Joint Filing was executed by Mark McDonnell pursuant to a Powers of Attorney filed as Exhibit 24 and 24.1 to the Form 3 relating to the beneficial ownership of shares of Prime Medicine, Inc. by the Reporting Persons filed with the Securities Exchange Commission on October 19, 2022 and incorporated herein in its entirety by reference.

** This Agreement of Joint Filing was executed by Mark McDonnell pursuant to a Power of Attorney.