CATABASIS PHARMACEUTICALS INC

(CUSIP Number)

Form SC 13G
February 16, 2016
UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549
COMEDIA E 12C
SCHEDULE 13G
UNDER THE SECURITIES EXCHANGE ACT OF 1934
UNDER THE SECURITIES EXCHANGE ACT OF 1934 (Amendment No.)*
(Amendment No.)*
(Amendment No.)* Catabasis Pharmaceuticals, Inc.
(Amendment No.)* Catabasis Pharmaceuticals, Inc. (Name of Issuer)
(Amendment No.)* Catabasis Pharmaceuticals, Inc.
(Amendment No.)* Catabasis Pharmaceuticals, Inc. (Name of Issuer)
(Amendment No.)* Catabasis Pharmaceuticals, Inc. (Name of Issuer) Common Stock, \$0.001 par value
(Amendment No.)* Catabasis Pharmaceuticals, Inc. (Name of Issuer) Common Stock, \$0.001 par value

December 31, 2015		
(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)		
WP 1 4214()		
"Rule 13d-1(c)		
x 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 the 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).		

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Name of

Reporting Persons 1. Advanced Technology Ventures VIII, L.P. Check the Appropriate Box if a Member of a Group (See 2. Instructions) (a) x^1 (b) " SEC USE **ONLY** Citizenship or Place of Organization 4. Delaware Sole Voting Power Number of 5. Shares 0 **Shared Voting Power** Beneficially 6. Owned by 1,133,9432 Each 7. Sole Dispositive Power Reporting

Person With:

0 Shared Dispositive Power

8.

1,133,9432

Aggregate Amount Beneficially Owned by Each Reporting Person

9.

1,133,9432

Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) "

10.

Percent of Class Represented by Amount in Row (9)

11.

 $7.4\%^{3}$

Type of Reporting Person (See Instructions)

12.

PN

This Schedule 13G is being filed by Advanced Technology Ventures VIII, L.P. ("ATV VIII") and ATV Associates VIII, L.L.C. ("ATVA VIII"), the general partner of ATV VIII.

²Consists of shares held directly by ATV VIII.

This percentage is calculated based upon 15,297,794 shares of the Issuer's common stock outstanding as of ³November 1, 2015, as set forth in the Issuer's quarterly report on Form 10-Q filed with the Securities and Exchange Commission on November 12, 2015.

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Name of

Reporting Persons 1. **ATV** Associates VIII, L.L.C. Check the Appropriate Box if a Member of a Group (See 2. Instructions) (a) x^1 (b) " SEC USE ONLY Citizenship or Place of Organization 4. Delaware Number of Sole Voting Power 5. Shares Beneficially 0 Shared Voting Power Owned by 6. Each 1,133,9432 Reporting Sole Dispositive Power Person With: 7.

8. Shared Dispositive Power

	$1,133,943^2$
	Aggregate Amount Beneficially Owned by Each Reporting Person
9.	
10.	1,133,943 ² Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) "
	Percent of Class Represented by Amount in Row (9)
11.	
	7.4% ³ Type of Reporting Person (See Instructions)
12.	
	OO
	is Schedule 13G is being filed by Advanced Technology Ventures VIII, L.P. ("ATV VIII") and ATV Associates II, L.L.C. ("ATVA VIII"), the general partner of ATV VIII.

²Consists of shares held directly by ATV VIII.

This percentage is calculated based upon 15,297,794 shares of the Issuer's common stock outstanding as of ³November 1, 2015, as set forth in the Issuer's quarterly report on Form 10-Q filed with the Securities and Exchange Commission on November 12, 2015.

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Introductory Note: This Statement on Schedule 13G is filed on behalf of Advanced Technology Ventures VIII, L.P., a Delaware limited partnership ("ATV VIII") and ATV Associates VIII, L.L.C., a Delaware limited liability company ("ATVA VIII") in respect of shares of common stock of Catabasis Pharmaceuticals, Inc.
Item 1.
(a)Name of Issuer
Catabasis Pharmaceuticals, Inc.
(b) Address of Issuer's Principal Executive Offices
One Kendall Square
Bldg. 1400E, Suite B14202
Cambridge, MA 02139
Item 2.
(a) Name of Person Filing
Advanced Technology Ventures VIII, L.P.
ATV Associates VIII, L.L.C.

(b) Address of Principal Business Office or, if none, Residence

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Item 4. Ownership

(a) Amount Beneficially Owned as of December 31, 2015:

Advanced Technology Ventures VIII, L.P. 1,133,943 (1) ATV Associates VIII, L.L.C. 1,133,943 (1)

(b) Percent of Class as of December 31, 2015:

Advanced Technology Ventures VIII, L.P. 7.4% ATV Associates VIII, L.L.C. 7.4%

- (c) Number of shares as to which the person has, as of December 31, 2015:
- (i) Sole power to vote or to direct the vote

Advanced Technology Ventures VIII, L.P. 0 ATV Associates VIII, L.L.C. 0

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

Advanced Technology Ventures VIII, L.P. 1,133,943 (1) ATV Associates VIII, L.L.C. 1,133,943 (1)

(v) Sole power to dispose or to direct the disposition of

Advanced Technology Ventures VIII, L.P. 0 ATV Associates VIII, L.L.C. 0

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

Advanced Technology Ventures VIII, L.P. 1,133,943 (1) ATV Associates VIII, L.L.C. 1,133,943 (1)

(1) These shares are owned directly by ATV VIII.

Item 5. Ownership of Five Percent or Less of a Class

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following."

Item 6. Ownership of More than Five Percent on Behalf of Another Person

Not Applicable

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 Item Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company or Control Person.
Not Applicable
Item 8. Identification and Classification of Members of the Group
Not Applicable
Item 9. Notice of Dissolution of a Group
Not Applicable
Item 10. Certification
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 16, 2016

ADVANCED TECHNOLOGY VENTURES VIII, L.P.

By: ATV Associates VIII, L.L.C.

By: /s/ Jean George Name: Jean George Title: Managing Director

ATV ASSOCIATES VIII, L.L.C.

By: /s/ Jean George Name: Jean George Title: Managing Director

EXHIBITS

A: Joint Filing Agreement

EXHIBIT A

JOINT FILING AGREEMENT

In accordance with Rule 13d-1(k) under the Securities Exchange Act of 1934, as amended, the undersigned agree to the joint filing on behalf of each of them of a statement on Schedule 13G (including amendments thereto) with respect to the Common Stock of Catabasis Pharmaceuticals, Inc. and further agree that this agreement be included as an exhibit to such filing. Each party to the agreement expressly authorizes each other party to file on its behalf any and all amendments to such statement. Each party to this agreement agrees that this joint filing agreement may be signed in counterparts.

In evidence whereof, the undersigned have caused this Agreement to be executed on their behalf this 16th day of February, 2016.

ADVANCED TECHNOLOGY VENTURES VIII, L.P.

By: ATV Associates VIII, L.L.C.

By: /s/ Jean George Name: Jean George Title: Managing Director

ATV ASSOCIATES VIII, L.L.C.

By: /s/ Jean George Name: Jean George Title: Managing Director