

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

SCHEDULE 13D

Under the Securities Exchange Act of 1934
(Amendment No. 1)*

Aerovate Therapeutics, Inc.

(Name of Issuer)

Common Stock, par value \$0.0001 per share

(Title of Class of Securities)

008064107

(CUSIP Number)

Atlas Venture
Attention: Ommer Chohan, Chief Financial Officer
300 Technology Square, 8th Floor
Cambridge, MA 02139 USA
(857) 201-2700

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

April 1, 2022

(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.

Note: Schedules filed in paper format shall include a signed original and five copies of the schedule, including all exhibits. See Rule 13d-7 for other parties to whom copies are to be sent.

* 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.	Names of Reporting Persons Atlas Venture Fund XII, L.P.
2.	Check the Appropriate Box if a Member of a Group (See Instructions)
(a)	<input type="checkbox"/>
(b)	<input checked="" type="checkbox"/>
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) <input type="checkbox"/>
6.	Citizenship or Place of Organization Delaware
	7. Sole Voting Power 0
Number of Shares Beneficially Owned by Each Reporting Person With	8. Shared Voting Power 2,638,297 shares (1)
	9. Sole Dispositive Power 0
	10. Shared Dispositive Power 2,638,297 shares (1)
11.	Aggregate Amount Beneficially Owned by Each Reporting Person 2,638,297 shares (1)
12.	Check if the Aggregate Amount in Row (11) Excludes Certain Shares (See Instructions) <input type="checkbox"/>
13.	Percent of Class Represented by Amount in Row (11) 10.8% (2)
14.	Type of Reporting Person (See Instructions) PN

(1) As described in Item 5 below, Atlas Venture Fund XII, L.P., a Delaware limited partnership (“Atlas XII”), Atlas Venture Associates XII, L.P., a Delaware limited partnership (“AVA XII LP”) and Atlas Venture Associates XII, LLC, a Delaware limited liability company (“AVA XII LLC” and together with Atlas XII and AVA XII LP, the “Reporting Persons”) beneficially own 2,638,297 shares of the Issuer’s Common Stock held by Atlas XII. AVA XII LP is the general partner of Atlas XII and AVA XII LLC is the general partner of AVA XII LP. Each of AVA XII LP and AVA XII LLC has voting and dispositive power over the shares held by Atlas XII. As such, each of the Reporting Persons share voting and dispositive power with respect to the shares held by Atlas XII.

(2) This percentage is calculated based upon 24,410,393 outstanding shares of Common Stock of the Issuer, as reported in the Issuer’s Form 10-K for the fiscal year ended December 31, 2021, filed with the Securities and Exchange Commission on March 30, 2022.

1.	Names of Reporting Persons Atlas Venture Associates XII, L.P.
2.	Check the Appropriate Box if a Member of a Group (See Instructions)
(a)	<input type="checkbox"/>
(b)	<input checked="" type="checkbox"/>
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) <input type="checkbox"/>
6.	Citizenship or Place of Organization Delaware
	7. Sole Voting Power 0
Number of Shares Beneficially Owned by Each Reporting Person With	8. Shared Voting Power 2,647,609 shares (1)
	9. Sole Dispositive Power 0
	10. Shared Dispositive Power 2,647,609 shares (1)
11.	Aggregate Amount Beneficially Owned by Each Reporting Person 2,647,609 shares (1)
12.	Check if the Aggregate Amount in Row (11) Excludes Certain Shares (See Instructions) <input type="checkbox"/>
13.	Percent of Class Represented by Amount in Row (11) 10.8% (2)
14.	Type of Reporting Person (See Instructions) PN

(1) As described in Item 5 below, AVA XII LP and AVA XII LLC beneficially own 2,647,609 shares of the Issuer's Common Stock (2,638,297 shares of the Issuer's Common Stock that are directly held by Atlas XII and 9,312 shares of the Issuer's Common Stock that are directly held by AVA XII LP). AVA XII LP is the general partner of Atlas XII and AVA XII LLC is the general partner of AVA XII LP. Each of AVA XII LP and AVA XII LLC has voting and dispositive power over the shares held by Atlas XII. As such, each of the Reporting Persons share voting and dispositive power with respect to the shares held by Atlas XII.

(2) This percentage is calculated based upon 24,410,393 outstanding shares of Common Stock of the Issuer, as reported in the Issuer's Form 10-K for the fiscal year ended December 31, 2021, filed with the Securities and Exchange Commission on March 30, 2022.

1.	Names of Reporting Persons Atlas Venture Associates XII, LLC
2.	Check the Appropriate Box if a Member of a Group (See Instructions)
(a)	<input type="checkbox"/>
(b)	<input checked="" type="checkbox"/>
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) <input type="checkbox"/>
6.	Citizenship or Place of Organization Delaware
	7. Sole Voting Power 0
Number of Shares Beneficially Owned by Each Reporting Person With	8. Shared Voting Power 2,647,609 shares (1)
	9. Sole Dispositive Power 0
	10. Shared Dispositive Power 2,647,609 shares (1)
	11. Aggregate Amount Beneficially Owned by Each Reporting Person 2,647,609 shares (1)
12.	Check if the Aggregate Amount in Row (11) Excludes Certain Shares (See Instructions) <input type="checkbox"/>
13.	Percent of Class Represented by Amount in Row (11) 10.8% (2)
14.	Type of Reporting Person (See Instructions) OO

(1) As described in Item 5 below, AVA XII LP and AVA XII LLC beneficially own 2,647,609 shares of the Issuer's Common Stock (2,638,297 shares of the Issuer's Common Stock that are directly held by Atlas XII and 9,312 shares of the Issuer's Common Stock that are directly held by AVA XII LP). AVA XII LP is the general partner of Atlas XII and AVA XII LLC is the general partner of AVA XII LP. Each of AVA XII LP and AVA XII LLC has voting and dispositive power over the shares held by Atlas XII. As such, each of the Reporting Persons share voting and dispositive power with respect to the shares held by Atlas XII.

(2) This percentage is calculated based upon 24,410,393 outstanding shares of Common Stock of the Issuer, as reported in the Issuer's Form 10-K for the fiscal year ended December 31, 2021, filed with the Securities and Exchange Commission on March 30, 2022.

INTRODUCTION

This Amendment No. 1 to Schedule 13D (“Amendment No. 1”) is being filed as an amendment to the statement on Schedule 13D relating to Common Stock, par value \$0.0001 per share (the “Common Stock”) of Aerovate Therapeutics, Inc., a Delaware corporation (the “Issuer” or “Aerovate”), as filed with the Securities and Exchange Commission (the “SEC”) on November 5, 2021 (the “Prior Schedule 13D”). All capitalized terms not otherwise defined herein shall have the meanings ascribed to the terms in the Prior Schedule 13D. The Prior Schedule 13D is hereby amended and supplemented as follows and, except as expressly amended below, the Prior Schedule 13D remains in full force and effect.

Item 4. Purpose of Transaction

Item 4 of the Prior Schedule 13D is hereby amended and supplemented by adding the following paragraph at the end of Item 4:

On April 1, 2022, Atlas XII made a pro rata in-kind distribution for no additional consideration of 465,582 shares of Common Stock to its general partner, AVA XII LP, and its limited partners. Of the shares distributed by Atlas XII, AVA XII LP received an aggregate of 9,312 shares.

Item 5. Interest in Securities of the Issuer

- (a) – (b). As of the date hereof, Atlas XII is the record owner of 2,638,297 shares of Common Stock. AVA XII LP is the general partner of Atlas XII and AVA XII LLC is the general partner of AVA XII LP. Each of Atlas XII, AVA XII LP and AVA XII LLC has shared voting and dispositive power over the shares held by Atlas XII. As such, each of Atlas XII, AVA XII LP and AVA XII LLC may be deemed to beneficially own the shares held by Atlas XII.

As of the date hereof, AVA XII LP is the record owner of 9,312 shares of Common Stock. AVA XII LLC is the general partner of AVA XII LP. Each of AVA XII LP and AVA XII LLC has shared voting and dispositive power over the shares held by AVA XII LP. As such, each of AVA XII LP and AVA XII LLC may be deemed to beneficially own the shares held by AVA XII LP.

Collectively, the Reporting Persons may be deemed to beneficially own 10.8% of the Issuer’s outstanding Common Stock, which percentage is calculated based upon 24,410,393 outstanding shares of Common Stock of the Issuer, as reported in the Issuer’s Form 10-K for the fiscal year ended December 31, 2021, filed with the Securities and Exchange Commission on March 30, 2022.

The Reporting Persons disclaim group membership, and this Schedule 13D shall not be deemed an admission that the Reporting Persons are members of a group for purposes of Section 13 or for any other purposes.

- (c) Except as described herein, none of the Reporting Persons have purchased or sold any shares of Common Stock during the past 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, the shares of Common Stock beneficially owned by any of the Reporting Persons.
- (e) 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: May 5, 2022

Atlas Venture Fund XII, L.P.

By: Atlas Venture Associates XII, L.P.
its General Partner

By: Atlas Venture Associates XII, LLC
its General Partner

By: /s/ Ommer Chohan
Name: Ommer Chohan
Title: Chief Financial Officer

Atlas Venture Associates XII, L.P.

By: Atlas Venture Associates XII, LLC
its General Partner

By: /s/ Ommer Chohan
Name: Ommer Chohan
Title: Chief Financial Officer

Atlas Venture Associates XII, LLC

By: /s/ Ommer Chohan
Name: Ommer Chohan
Title: Chief Financial Officer

ATTENTION

Intentional misstatements or omissions of fact constitute Federal Criminal Violations (See 18 U.S.C. 1001).