ACELRX PHARMACEUTICALS INC Form SC 13G May 31, 2018

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

SCHEDULE 13G

(Rule 13d-102)

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT TO RULES 13d-1 (b), (c) AND (d) AND AMENDMENTS THERETO FILED PURSUANT TO 13d-2 (Amendment No.)*

AcelRx Pharmaceuticals, Inc.

(Name of Issuer)

Common Stock, par value \$0.001 per share

(Title of Class of Securities)

00444T100

(CUSIP Number)

May 21, 2018

(Date of Event Which Requires Filing of this Statement)

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

- o Rule 13d-1(b)
- x Rule 13d-1(c)
- o 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 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).

CUSIP No. 00444T100 13 G

| 1 | Names of Reporting Persons. | |
|---|--|--|
| | Leerink Revelation Healthcare Fund I, L.P. | |

2 Check the Appropriate Box if a Member of a Group*

(a) o (b) x (1)

3 SEC Use Only

4 Citizenship or Place of Organization Delaware, United States of America

| | 5 | Sole Voting Power 0 |
|--------------|---|--------------------------|
| Number of | | |
| Shares | 6 | Shared Voting Power |
| Beneficially | | 3,746,817 shares (2) |
| Owned by | | |
| Each | 7 | Sole Dispositive Power |
| Reporting | | 0 |
| Person With | | |
| | 8 | Shared Dispositive Power |
| | | 3,746,817 shares (2) |

- 9 Aggregate Amount Beneficially Owned by Each Reporting Person 3,746,817 shares (2)
- 10 Check Box if the Aggregate Amount in Row (9) Excludes Certain Shares* o
- Percent of Class Represented by Amount in Row 9 7.30% (3)
- Type of Reporting Person*

⁽¹⁾ This Schedule 13G is filed by Leerink Revelation Healthcare Fund I, L.P. (Fund I), Leerink Revelation Healthcare Fund I GP, L.P. (Fund I), Leerink Revelation Healthcare Fund I GP, LLC (Fund I GP LLC), Scott Halsted (Halsted), Zachary Scott (Scott) and Timothy A.G. Gerhold (Gerhold, and collectively with Fund I, Fund I GP LP, Fund I GP LLC, Halsted and Scott, the Reporting Persons). The Reporting Persons expressly disclaim status as a group for purposes of this Schedule 13G.

⁽²⁾ The shares are directly held by Fund I. Fund I GP LP is the sole General Partner of Fund I. Halsted, Scott and Gerhold are the Managers of Fund I GP LLC which is the sole General Partner of Fund I GP LP. Each of Halsted, Scott, Gerhold, Fund I GP LLC and Fund I GP LP may be deemed to share voting and dispositive power over the shares held by Fund I.

⁽³⁾ The percent of class was calculated based on 51,320,598 shares of common stock issued and outstanding as of May 7, 2018, as reported on the Issuer s Form 10-Q filed with the Securities and Exchange Commission on May 10, 2018.

CUSIP No. 00444T100 13 G

| 1 | Names of Reporting Persons. |
|---|---|
| | Leerink Revelation Healthcare Fund I GP, L.P. |

2 Check the Appropriate Box if a Member of a Group*

(a) o (b) x (1)

3 SEC Use Only

4 Citizenship or Place of Organization Delaware, United States of America

| 5 | Sole Voting Power 0 |
|---|--------------------------|
| | |
| 6 | Shared Voting Power |
| | 3,746,817 shares (2) |
| | |
| 7 | Sole Dispositive Power |
| | 0 |
| | |
| 8 | Shared Dispositive Power |
| | 3,746,817 shares (2) |
| | 7 |

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CUSIP No. 00444T100 13 G

| 1 | Names of Reporting Persons. |
|---|--|
| | Leerink Revelation Healthcare Fund I GP, LLC |

2 Check the Appropriate Box if a Member of a Group*

(a) o (b) x (1)

- 3 SEC Use Only
- 4 Citizenship or Place of Organization Delaware, United States of America

| | 5 | Sole Voting Power 0 |
|--------------|---|--------------------------|
| Number of | | Ü |
| Shares | 6 | Shared Voting Power |
| Beneficially | | 3,746,817 shares (2) |
| Owned by | | |
| Each | 7 | Sole Dispositive Power |
| Reporting | | 0 |
| Person With | | |
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CUSIP No. 00444T100 13 G

Names of Reporting Persons.

Scott Halsted

2 Check the Appropriate Box if a Member of a Group*

(a) o (b) x (1)

- 3 SEC Use Only
- 4 Citizenship or Place of Organization

United States of America

| | 5 | Sole Voting Power |
|--------------|---|--------------------------|
| | | 0 |
| Number of | | |
| Shares | 6 | Shared Voting Power |
| Beneficially | | 3,746,817 shares (2) |
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CUSIP No. 00444T100 13 G

1 Names of Reporting Persons.

- 2 Check the Appropriate Box if a Member of a Group*
 - (a) o (b) x (1)
- 3 SEC Use Only

Zachary Scott

4 Citizenship or Place of Organization
United States of America

| | 5 | Sole Voting Power 0 |
|--------------|---|--------------------------|
| Number of | | |
| Shares | 6 | Shared Voting Power |
| Beneficially | | 3,746,817 shares (2) |
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CUSIP No. 00444T100 13 G

| 1 | Names of Reporting Persons. |
|---|-----------------------------|
| | Timothy A.G. Gerhold |

- 2 Check the Appropriate Box if a Member of a Group*
 - (a) o (b) x (1)
- 3 SEC Use Only
- 4 Citizenship or Place of Organization
 United States of America

| | 5 | Sole Voting Power 0 |
|--------------|---|--------------------------|
| Number of | | |
| Shares | 6 | Shared Voting Power |
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CUSIP No. 00444T100

Introductory Note: This statement on Schedule 13G is filed by the Reporting Persons with the Commission in respect of shares of Common Stock, par value \$0.001 per share (Common Stock), of AcelRx Pharmaceuticals, Inc., a Delaware corporation (the Issuer).

| Item 1 | (a) (b) | Name of Issuer: AcelRx Pharmaceuticals, Inc. Address of Issuer s Principal Executive Offices: 351 Galveston Drive Redwood City, CA 94063 |
|--------|------------|--|
| Item 2 | (a) | Name of Reporting Persons Filing: |
| | | Leerink Revelation Healthcare Fund I, L.P. (Fund I) |
| | | 2. Leerink Revelation Healthcare Fund I GP, L.P. (Fund I GP LP) |
| | | 3. Leerink Revelation Healthcare Fund I GP, LLC (Fund I GP LLC) |
| | | 4. Scott Halsted (Halsted) |
| | | 5. Zachary Scott (Scott) |
| | (b) | 6. Timothy A.G. Gerhold (Gerhold) Address of Principal Business Office: Leerink Revelation Healthcare |
| | | 255 California Street, 12th floor |
| | (c) | San Francisco, CA 94111 Citizenship: |
| | | Fund I limited partnership organized under the laws of the State of Delaware |
| | | 2. Fund I GP LP limited partnership organized under the laws of the State of Delaware |
| | | 3. Fund I GP LLC limited liability company organized under the laws of the State of Delaware |

Halsted United States of America

Scott United States of America

6. Gerhold United States of America

(d) Title of Class of Securities:

Common Stock

(e) CUSIP Number:

00444T100

Item 3 Not applicable.

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CUSIP No. 00444T100

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Item 4 Ownership.

The following information with respect to the aggregate amount and percent of the class of securities of the issuer identified in Item 1 beneficially owned by the Reporting Persons filing this statement on Schedule 13G is provided as of May 21, 2018:

(a) Amount beneficially owned:

3,746,817

(b) Percent of class:

7.3%

The shares are directly held by Fund I. Fund I GP LP is the sole General Partner of Fund I. Halsted, Scott and Gerhold are the Managers of Fund I GP LLC which is the sole General Partner of Fund I GP LP. Each of Halsted, Scott, Gerhold, Fund I GP LLC and Fund I GP LP may be deemed to share voting and dispositive power over the shares held by Fund I.

The percent of class was calculated based on 51,320,598 shares of common stock issued and outstanding as of May 7, 2018, as reported on the Issuer s Form 10-Q filed with the Securities and Exchange Commission on May 10, 2018.

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

| (i) | Sole power to vote or to direct the vote | |
|-------|--|--|
| (ii) | 0 Shared power to vote or to direct the vote | |
| (iii) | 3,746,817 Sole power to dispose or to direct the disposition of | |
| (iv) | 0 Shared power to dispose or to direct the disposition of | |

3,746,817

| Reporting Persons | Sole Voting Power | Shared Voting Power (1) | Sole Dispositive Power | Shared Dispositive Power (1) | Beneficial Ownership (1) | Percentage of Class (1),(2) |
|-------------------|-------------------------|-------------------------------|------------------------------|------------------------------------|--------------------------------|-----------------------------|
| Fund I | 0 | 3,746,817 | 0 | 3,746,817 | 3,746,817 | 7.30% |
| Fund I GP LP | 0 | 3,746,817 | 0 | 3,746,817 | 3,746,817 | 7.30% |
| Fund I GP LLC | 0 | 3,746,817 | 0 | 3,746,817 | 3,746,817 | 7.30% |
| Halsted | 0 | 3,746,817 | 0 | 3,746,817 | 3,746,817 | 7.30% |
| Scott | 0 | 3,746,817 | 0 | 3,746,817 | 3,746,817 | 7.30% |
| Gerhold | 0 | 3,746,817 | 0 | 3,746,817 | 3,746,817 | 7.30% |

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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: O

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

Not applicable.

Item 7 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 Group.

Not applicable.

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| Item 10 Not applicable. | Certification |
|--|---|
| | SIGNATURE |
| After reasonable inquiry and to the be 13G is true, complete and correct. | pest of my knowledge and belief, I certify that the information set forth in the attached statement on Schedu |
| Dated: May 31, 2018 | |
| LEERINK REVELATION HEAD | THCARE FUND I, L.P. |
| By: Leerink Revelation Healthcare I By: Leerink Revelation Healthcare I | |
| By: Scott Halsted, Manager | /s/ Scott Halsted |
| LEERINK REVELATION HEAD By: Leerink Revelation Healthcare I | |
| By: Scott Halsted, Manager | /s/ Scott Halsted |
| LEERINK REVELATION HEAL | THCARE FUND I GP, LLC |
| By: Scott Halsted, Manager | /s/ Scott Halsted |
| SCOTT HALSTED | |
| /s/ Scott Halsted Scott Halsted | |
| ZACHARY SCOTT | |

/s/ Zachary Scott Zachary Scott

TIMOTHY A.G. GERHOLD

/s/ Timothy A.G. Gerhold Timothy A.G. Gerhold

Exhibit(s):

A: Joint Filing Statement

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| CUSIP No. 00444T10 | 0 13 G |
|--------------------|--------|
| | |

EXHIBIT A

JOINT FILING STATEMENT

We, the undersigned, hereby express our agreement that the attached statement on Schedule 13G relating to the Common Stock of AcelRx Pharmaceuticals, Inc. is filed on behalf of each of us.

Dated: May 31, 2018

LEERINK REVELATION HEALTHCARE FUND I, L.P.

By: Leerink Revelation Healthcare Fund I GP, L.P., its general partner By: Leerink Revelation Healthcare Fund I GP, LLC, its general partner

By: /s/ Scott Halsted

Scott Halsted, Manager

LEERINK REVELATION HEALTHCARE FUND I GP, L.P.

By: Leerink Revelation Healthcare Fund I GP, LLC, its general partner

By: /s/ Scott Halsted

Scott Halsted, Manager

LEERINK REVELATION HEALTHCARE FUND I GP, LLC

By: /s/ Scott Halsted

Scott Halsted, Manager

SCOTT HALSTED

/s/ Scott Halsted Scott Halsted

ZACHARY SCOTT

/s/ Zachary Scott Zachary Scott

CUSIP No. 00444T100 13 G

TIMOTHY A.G. GERHOLD

/s/ Timothy A.G. Gerhold Timothy A.G. Gerhold