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

**SCHEDULE 13G/A**  
(Amendment No. 1)

Under the Securities Exchange Act of 1934

**Repros Therapeutics Inc.**

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(Name of Issuer)

Common Shares

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(Title of Class of Securities)

76028H209

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(CUSIP Number)

January 2, 2018

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(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 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).

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1. NAMES OF REPORTING PERSONS  
I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)

Rosalind Advisors, Inc.

2. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP  
(see instructions)

(a)

(b)

3. SEC USE ONLY

4. CITIZENSHIP OR PLACE OF ORGANIZATION

ONTARIO, CANADA

5. SOLE VOTING POWER

0

NUMBER OF  
SHARES  
BENEFICIALLY  
OWNED BY  
EACH  
REPORTING  
PERSON WITH

6. SHARED VOTING POWER

3,332,292

7. SOLE DISPOSITIVE POWER

0

8. SHARED DISPOSITIVE POWER

3,332,292

9. AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

3,332,292

10. CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES  
(see instructions)

11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

8.4%<sup>1</sup>

12. TYPE OF REPORTING PERSON (see instructions)

CO

<sup>1</sup> This percentage is calculated based upon 39,555,133 shares of the Issuer's common stock outstanding as of November 7, 2017.

1. NAMES OF REPORTING PERSONS  
I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)

Steven Salamon

2. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP  
(see instructions)

(a)

(b)

3. SEC USE ONLY

4. CITIZENSHIP OR PLACE OF ORGANIZATION

ONTARIO, CANADA

5. SOLE VOTING POWER

0

NUMBER OF  
SHARES  
BENEFICIALLY  
OWNED BY  
EACH  
REPORTING  
PERSON WITH

6. SHARED VOTING POWER

3,332,292

7. SOLE DISPOSITIVE POWER

0

8. SHARED DISPOSITIVE POWER

3,332,292

9. AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

3,332,292

10. CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES  
(see instructions)

11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

8.4%<sup>2</sup>

12. TYPE OF REPORTING PERSON (see instructions)

IN

<sup>2</sup> This percentage is calculated based upon 39,555,133 shares of the Issuer's common stock outstanding as of November 7, 2017.

1. NAMES OF REPORTING PERSONS  
I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)

Rosalind Master Fund L.P.

2. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP  
(see instructions)

(a)

(b)

3. SEC USE ONLY

4. CITIZENSHIP OR PLACE OF ORGANIZATION

CAYMAN ISLANDS

5. SOLE VOTING POWER

0

NUMBER OF  
SHARES  
BENEFICIALLY  
OWNED BY  
EACH  
REPORTING  
PERSON WITH

6. SHARED VOTING POWER

3,332,292

7. SOLE DISPOSITIVE POWER

0

8. SHARED DISPOSITIVE POWER

3,332,292

9. AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

3,332,292

10. CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES  
(see instructions)

11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

8.4%<sup>3</sup>

12. TYPE OF REPORTING PERSON (see instructions)

PN

<sup>3</sup> This percentage is calculated based upon 39,555,133 shares of the Issuer's common stock outstanding as of November 7, 2017.

1. NAMES OF REPORTING PERSONS  
I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)

Rosalind Capital Partners L.P.

2. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP  
(see instructions)

(a)

(b)

3. SEC USE ONLY

4. CITIZENSHIP OR PLACE OF ORGANIZATION

ONTARIO, CANADA

5. SOLE VOTING POWER

0

NUMBER OF  
SHARES  
BENEFICIALLY  
OWNED BY  
EACH  
REPORTING  
PERSON WITH

6. SHARED VOTING POWER

0

7. SOLE DISPOSITIVE POWER

0

8. SHARED DISPOSITIVE POWER

0

9. AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

0

10. CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES  
(see instructions)

11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

0%<sup>4</sup>

12. TYPE OF REPORTING PERSON (see instructions)

PN

<sup>4</sup> This percentage is calculated based upon 39,555,133 shares of the Issuer's common stock outstanding as of November 7, 2017. As a result of the restructuring of RCP as a feeder of RMF on January 1, 2018, all shares owned by RCP were transferred to RMF.

**Item 1.**

- (a) Name of Issuer: REPROS THERAPEUTICS INC.
- (b) Address of Issuer's Principal Executive Offices  
2408 Timberloch Place, Suite B-7  
The Woodlands, TX 77380, United States

**Item 2.**

- (a) Name of Person Filing  
  
Rosalind Advisors, Inc. ("Advisor" to RCP & RMF)  
Rosalind Master Fund L.P. ("RMF")  
Rosalind Capital Partners L.P. ("RCP")  
Steven Salamon ("President")  
Steven Salamon is the portfolio manager of the Advisor which advises RCP & RMF.
  - (b) Address of the Principal Office or, if none, residence  
Rosalind Advisors, Inc.  
175 Bloor Street East  
Suite 1316, North Tower  
Toronto, Ontario  
M4W 3R8 Canada  
  
Rosalind Master Fund L.P.  
P.O. Box 309  
Ugland House, Grand Cayman  
KY1-1104, Cayman Islands  
  
Rosalind Capital Partners L.P.  
175 Bloor Street East  
Suite 1316, North Tower  
Toronto, Ontario  
M4W 3R8 Canada  
  
Steven Salamon  
175 Bloor Street East  
Suite 1316, North Tower  
Toronto, Ontario  
M4W 3R8 Canada
  - (c) Citizenship  
Rosalind Advisors, Inc.: Ontario, Canada  
  
Rosalind Master Fund L.P.: Cayman Islands  
  
Rosalind Capital Partners L.P.: Ontario, Canada  
  
Steven Salamon: Ontario, Canada
  - (d) Title of Class of Securities  
Common Stock
  - (e) CUSIP Number  
76028H209
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**Item 3. If this statement is filed pursuant to §§240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a:**

- (a)  Broker or dealer registered under section 15 of the Act (15 U.S.C. 78o).
- (b)  Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c).
- (c)  Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c).
- (d)  Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8).
- (e)  An investment adviser in accordance with §240.13d-1(b)(1)(ii)(E);
- (f)  An employee benefit plan or endowment fund in accordance with §240.13d-1(b)(1)(ii)(F);
- (g)  A parent holding company or control person in accordance with §240.13d-1(b)(1)(ii)(G);
- (h)  A savings associations as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);
- (i)  A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3);
- (j)  Group, in accordance with §240.13d-1(b)(1)(ii)(J).

**Item 4. Ownership.**

Provide the following information regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1.

- (a) Amount beneficially owned:

Rosalind Master Fund L.P. is the record owner of 3,332,292 shares of common stock.

Rosalind Capital Partners L.P. is the record owner of 0 shares of common stock.

Rosalind Advisors, Inc. is the investment advisor to RCP and RMF and may be deemed to be the beneficial owner of shares held by RCP and RMF. Steven Salamon is the portfolio manager of the Advisor and may be deemed to be the beneficial owner of shares held by RCP and RMF. Notwithstanding the foregoing, the Advisor and Mr. Salamon disclaim beneficial ownership of the shares.

- (b) Percent of class:

Rosalind Advisors, Inc. – 8.4%

Rosalind Master Fund L.P. – 8.4%

Rosalind Capital Partners L.P. – 0%

Steven Salamon – 8.4%

- (c) Number of shares as to which the person has:
- (i) Shared power to vote or to direct the vote
    - Rosalind Advisors, Inc. – 3,332,292
    - Rosalind Master Fund L.P. – 3,332,292
    - Rosalind Capital Partners L.P. – 0
    - Steven Salamon – 3,332,292
  - (ii) Sole power to dispose or to direct the disposition of – 0
  - (iii) Shared power to dispose or to direct the disposition of
    - Rosalind Advisors, Inc. – 3,332,292
    - Rosalind Master Fund L.P. – 3,332,292
    - Rosalind Capital Partners L.P. – 0
    - Steven Salamon – 3,332,292

*Instruction.* For computations regarding securities which represent a right to acquire an underlying security see §240.13d-3(d)(1).

**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 .

*Instruction.* Dissolution of a group requires a response to this item.

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

**Item 7– 9. Not Applicable.**

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**Item 10. Certification.**

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

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.

01/02/2018

\_\_\_\_\_  
Date

/s/ Steven Salamon

\_\_\_\_\_  
Signature

Steven Salamon/President Rosalind Advisors, Inc.

\_\_\_\_\_  
Name/Title

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Joint Filing Agreement

The undersigned hereby agree that this Statement on Schedule 13G/A with respect to the beneficial ownership of shares of Common Stock of REPROS THERAPEUTICS INC. is filed jointly, on behalf of each of them.

**Rosalind Advisors, Inc.**

By: /s/ Steven Salamon

Name: Steven Salamon

Title: President

**Rosalind Master Fund L.P.**

By: /s/ Mike McDonald

Name: Mike McDonald

Title: Director, Rosalind (Cayman) Ltd.

(as General Partner to Rosalind Master Fund)

**Rosalind Capital Partners L.P.**

By: /s/ Steven Salamon

Name: Steven Salamon

Title: President, Rosalind Advisors, Inc.

By: /s/ Steven Salamon

Name: Steven Salamon

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