Sage Therapeutics, Inc. Form SC 13G/A February 10, 2016

UNITED STATES

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

SCHEDULE 13G

UNDER THE SECURITIES EXCHANGE ACT OF 1934

(Amendment No. 1)*

Sage Therapeutics, Inc.

(Name of Issuer)

COMMON STOCK, \$0.0001 PAR VALUE PER SHARE

(Title of Class of Securities)

78667J108

(CUSIP Number)

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)
- "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).

CUSIP No. 78667J108 Page 2 of 12 Pages

- 1. NAMES OF REPORTING PERSONS
 - Third Rock Ventures II, L.P.
- 2. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP
 - (a) " (b) x
- 3. SEC USE ONLY
- 4. CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

5. SOLE VOTING POWER

0

6. SHARED VOTING POWER

NUMBER OF SHARES BENEFICIALLY

> OWNED BY EACH

4,742,916

REPORTING

7. SOLE DISPOSITIVE POWER

PERSON

WITH

0

8. SHARED DISPOSITIVE POWER

4,742,916

9. AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

4,742,916

- 10. CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES
- 11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9
 - 16.4% (1)
- 12. TYPE OF REPORTING PERSON

PN

(1) The percent of class was calculated based on 28,862,471 shares of common stock issued and outstanding as of November 1, 2015, as disclosed in the Issuer s Quarterly Report on Form 10-Q filed with the Securities and Exchange Commission on November 6, 2015.

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1. NAMES OF REPORTING PERSONS

Third Rock Ventures GP II, L.P.

- 2. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP
 - (a) " (b) x
- 3. SEC USE ONLY
- 4. CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

5. SOLE VOTING POWER

0

6. SHARED VOTING POWER

NUMBER OF SHARES BENEFICIALLY

OWNED BY

4,742,916

EACH REPORTING PERSON

7. SOLE DISPOSITIVE POWER

WITH

0

8. SHARED DISPOSITIVE POWER

4,742,916

9. AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

4,742,916

- 10. CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES
- 11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9
 - 16.4% (1)
- 12. TYPE OF REPORTING PERSON

PN

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1. NAMES OF REPORTING PERSONS

TRV GP II, LLC

- 2. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP
 - (a) " (b) x
- 3. SEC USE ONLY
- 4. CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

5. SOLE VOTING POWER

0

6. SHARED VOTING POWER

NUMBER OF **SHARES**

BENEFICIALLY

OWNED BY EACH

4,742,916

REPORTING PERSON

7. SOLE DISPOSITIVE POWER

WITH

8. SHARED DISPOSITIVE POWER

4,742,916

9. AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

4,742,916

- 10. CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES
- 11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9
 - 16.4% (1)
- 12. TYPE OF REPORTING PERSON

00

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1. NAMES OF REPORTING PERSONS

Mark Levin

- 2. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP
 - (a) " (b) x
- 3. SEC USE ONLY
- 4. CITIZENSHIP OR PLACE OF ORGANIZATION

United States

5. SOLE VOTING POWER

65,226

6. SHARED VOTING POWER

NUMBER OF SHARES BENEFICIALLY

OWNED BY

4,742,916

EACH REPORTING PERSON

7. SOLE DISPOSITIVE POWER

WITH

65,226

8. SHARED DISPOSITIVE POWER

4,742,916

9. AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

4,808,142

- 10. CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES
- 11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9
 - 16.7% (1)
- 12. TYPE OF REPORTING PERSON

IN

CUSIP No. 78667J108 Page 6 of 12 Pages

1. NAMES OF REPORTING PERSONS

Kevin P. Starr

- 2. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP
 - (a) " (b) x
- 3. SEC USE ONLY
- 4. CITIZENSHIP OR PLACE OF ORGANIZATION

United States

5. SOLE VOTING POWER

65,227

6. SHARED VOTING POWER

NUMBER OF SHARES BENEFICIALLY

OWNED BY

4,742,916

EACH REPORTING PERSON

7. SOLE DISPOSITIVE POWER

WITH

65,227

8. SHARED DISPOSITIVE POWER

4,742,916

9. AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

4,808,143

- 10. CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES
- 11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9
 - 16.7% (1)
- 12. TYPE OF REPORTING PERSON

IN

CUSIP No. 78667J108 Page 7 of 12 Pages

1. NAMES OF REPORTING PERSONS

Robert I. Tepper

- 2. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP
 - (a) " (b) x
- 3. SEC USE ONLY
- 4. CITIZENSHIP OR PLACE OF ORGANIZATION

United States

5. SOLE VOTING POWER

65,226

6. SHARED VOTING POWER

NUMBER OF SHARES BENEFICIALLY

> OWNED BY EACH 7 GO

REPORTING PERSON 4,742,916

7. SOLE DISPOSITIVE POWER

WITH

65,226

8. SHARED DISPOSITIVE POWER

4,742,916

9. AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

4,808,142

- 10. CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES
- 11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9
 - 16.7% (1)
- 12. TYPE OF REPORTING PERSON

IN

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Item 1. Issuer

(a) Name of Issuer:

Sage Therapeutics, Inc. (the **Issuer**)

(b) Address of Issuer s Principal Executive Offices:

215 First Street

Cambridge, MA 02142

Item 2. Filing Person

- (a) (c) Name of Persons Filing; Address; Citizenship:
 - (i) Third Rock Ventures II, L.P. (**TRV II**);
 - (ii) Third Rock Ventures GP II, L.P. (TRV GP II), which is the sole general partner of TRV II;
 - (iii) TRV GP II, LLC (TRV GP II LLC), which is the sole general partner of TRV GP II;
 - (iv) Mark Levin (Levin), a managing member of TRV GP II LLC;
 - (v) Kevin P. Starr (Starr), a managing member of TRV GP II LLC; and
 - (vi) Robert I. Tepper (**Tepper**, and collectively with TRV II, TRV GP II, TRV GP II LLC, Levin and Starr, the **Reporting Persons**), a managing member of TRV GP II LLC.

The address of the principal business office of each of the Reporting Persons is Third Rock Ventures, LLC, 29 Newbury Street, 3rd Floor, Boston, MA 02116.

Each of TRV II and TRV GP II is a Delaware limited partnership. TRV GP II LLC is a Delaware limited liability company. Levin, Tepper and Starr are United States citizens.

- (d) Title of Class of Securities:
 - Common stock, \$0.0001 par value per share, (the **Common Stock**).
- (e) CUSIP Number:

78667J108

Item 3. If this statement is filed pursuant to Rules 13d-1(b), or 13d-2(b) or (c), check whether the person filing is a:

- (a) "Broker or dealer registered under Section 15 of the Act;
- (b) "Bank as defined in Section 3(a)(6) of the Act;
- (c) "Insurance company as defined in Section 3(a)(19) of the Act;
- (d) "Investment company registered under Section 8 of the Investment Company Act of 1940;
- (e) "An investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E);
- (f) "An employee benefit plan or endowment fund in accordance with Rule 13d-1(b)(1)(ii)(F);
- (g) " A parent holding company or control person in accordance with Rule 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;
- (j) A non-U.S. institution in accordance with Rule 240.13d-1(b)(1)(ii)(J);

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(k) "Group, in accordance with Rule 240.13d-1(b)(1)(ii)(K). If filing as a non-U.S. institution in accordance with Rule 240.13d-1(b)(1)(ii)(J), please specify the type of institution:

If filing as a non-U.S. institution in accordance with §240.13d-1(b)(1)(ii)(J), please specify the type of institution:

Item 4. Ownership.

- (a) and (b) Amount beneficially owned:
 - (i) TRV II directly owns 4,742,916 shares of Common Stock (the **Shares**), which represents approximately 16.4% of the outstanding shares of Common Stock.
 - (ii) TRV GP II is the general partner of TRV II and may be deemed to beneficially own the Shares.
 - (iii) TRV GP II LLC is the general partner of TRV GP II and may be deemed to beneficially own the Shares.
 - (iv) As a managing member of TRV GP II LLC, Levin may be deemed to beneficially own the Shares. Additionally, as of December 31, 2015, Levin directly owns 65,226 shares of Common Stock (the **Levin Shares**), which represents 0.2% of the outstanding shares of Common Stock. As a result, Levin may be deemed to beneficially own an aggregate of 4,808,142 shares of Common Stock, which represents approximately 16.7% of the outstanding shares of Common Stock.
 - (v) As a managing member of TRV GP II LLC, Tepper may be deemed to beneficially own the Shares. Additionally, as of December 31, 2015, Tepper directly owns 65,226 shares of Common Stock (the **Tepper Shares**), which represents 0.2% of the outstanding shares of Common Stock. As a result, Tepper may be deemed to beneficially own an aggregate of 4,808,142 shares of Common Stock, which represents approximately 16.7% of the outstanding shares of Common Stock.
 - (vi) As a managing member of TRV GP II LLC, Starr may be deemed to beneficially own the Shares. Additionally, as of December 31, 2015, Starr directly owns 65,227 shares of Common Stock (the **Starr Shares**), which represents 0.2% of the outstanding shares of Common Stock. As a result, Starr may be deemed to beneficially own an aggregate of 4,808,143 shares of Common Stock, which represents approximately 16.7% of the outstanding shares of Common Stock.
- (c) Number of shares as to which such person has:

Number of Shares of Common Stock

Reporting Person TRV II (i) (ii) (iii) (iv) 4,742,916 4,742,916

TRV GP II		4,742,916		4,742,916
TRV GP II LLC		4,742,916		4,742,916
Levin	65,226	4,742,916	65,226	4,742,916
Starr	65,227	4,742,916	65,227	4,742,916
Tepper	65,226	4,742,916	65,226	4,742,916

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	(i)	Sole power to vote or direct the vote				
	(ii)	Shared power to vote or to direct the vote				
	(iii)	Sole power to dispose or to direct the disposition of				
	(iv)	Shared power to dispose or to direct the disposition of				
	as of	percent of class was calculated based on 28,862,471 shares of common stock issued and outstanding November 1, 2015, as disclosed in the Issuer s Quarterly Report on Form 10-Q filed with the rities and Exchange Commission on November 6, 2015.	g			
Item 5.	Own	ership of Five Percent or Less of a Class.				
	Not a	applicable.				
Item 6.	Own	ership of More than Five Percent on Behalf of Another Person.				
	Not a	applicable.				
Item 7.		tification and Classification of the Subsidiary Which Acquired the Security Being Reported y the Parent Holding Company or Control Person.				
	Not a	applicable.				
Item 8.	Ident	tification and Classification of Members of the Group.				

Not applicable.

Item 9. Notice of Dissolution of Group.

Not applicable.

Item 10. Certification.

Not applicable.

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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.

Date: February 10, 2016

THIRD ROCK VENTURES II, L.P.

By: THIRD ROCK VENTURES GP II, L.P., General Partner

By: TRV GP II, LLC, General Partner

By: /s/ Kevin Gillis Kevin Gillis Chief Financial Officer

THIRD ROCK VENTURES GP II, L.P.

By: TRV GP II, LLC, General Partner

By: /s/ Kevin Gillis Kevin Gillis Chief Financial Officer

TRV GP II, LLC

By: /s/ Kevin Gillis Kevin Gillis Chief Financial Officer

MARK LEVIN

/s/ Kevin Gillis, As attorney-in-fact Mark Levin

KEVIN P. STARR

/s/ Kevin Gillis, As attorney-in-fact Kevin P. Starr

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ROBERT I. TEPPER

/s/ Kevin Gillis, As attorney-in-fact Robert I. Tepper