Seres Therapeutics, Inc. Form SC 13G/A February 13, 2017

UNITED STATES

SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, D.C. 20549

SCHEDULE 13G

Under the Securities Exchange Act of 1934

(Amendment No. 1)*

Seres Therapeutics, Inc.

(Name of Issuer)

Common Stock, \$0.001 par value per share

(Title of Class of Securities)

81750R102

(CUSIP Number)

December 31, 2016

(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)

Edgar Filing: Seres Therapeutics, Inc. - Form SC 13G/A

Rule 13d-1(c)

Rule 13d-1(d)

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).

^{*} 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.

1	NAMES OF REPORTING PERSONS
	I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)
	Flagship Ventures Fund 2007, L.P.
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)
	(a) (b)
3	SEC USE ONLY
3	SEC COL ONE I
4	CITIZENSHIP OR PLACE OF ORGANIZATION
	Delaware
	5 SOLE VOTING POWER
NUMB	ER OF
SHA	EES 0 6 SHARED VOTING POWER
BENEFI	
OWNE	OBY 0
EA	7 SOLE DISPOSITIVE POWER
REPOI	ΓING
PER	ON 0 GHADED DISPOSITIVE DOVIED
WI	8 SHARED DISPOSITIVE POWER H:
9	0 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
	0
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9

0%

12 TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)

PN

1	NAMES OF REPORTING PERSONS
	I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)
	Flagship Ventures 2007 General Partner LLC
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)
	(a) (b)
3	SEC USE ONLY
J	
4	CITIZENSHIP OR PLACE OF ORGANIZATION
	Delaware
	5 SOLE VOTING POWER
NU	UMBER OF 6 SHARED VOTING POWER
,	SHARES
BEN	NEFICIALLY 0
	EACH 7 SOLE DISPOSITIVE POWER
RI	EPORTING
	WITH: 0 8 SHARED DISPOSITIVE POWER
	0
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
10	0 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE
10	INSTRUCTIONS)

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9

0%

12 TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)

00

INSTRUCTIONS)

CUSIP No. 81750R102			
1	NAMES OF REPORTING PERSONS		
	I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)		
2	Flagship Ventures Fund IV, L.P. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)		
	(a) (b)		
3	SEC USE ONLY		
4	CITIZENSHIP OR PLACE OF ORGANIZATION		
	Delaware 5 SOLE VOTING POWER		
NUMBER OF			
SHA	ARES 0 6 SHARED VOTING POWER		
BENEFICIALLY			
OWN	ED BY 10.757.414		
EA	10,757,414 7 SOLE DISPOSITIVE POWER		
REPORTING			
PER	RSON 0 8 SHARED DISPOSITIVE POWER		
WI	TTH:		
	10.757.414		
9	10,757,414 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
10	10,757,414 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE		
	DIGEDIACTIONS.		

- 11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9
 - 26.7%
- 12 TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)

PN

INSTRUCTIONS)

00011	
1	NAMES OF REPORTING PERSONS
	I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)
2	Flagship Ventures Fund IV-Rx, L.P. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)
	(a) (b)
3	SEC USE ONLY
4	CITIZENSHIP OR PLACE OF ORGANIZATION
	Delaware 5 SOLE VOTING POWER
NUME	BER OF
SHA	ARES 0 6 SHARED VOTING POWER
BENEFI	TICIALLY
OWN	TED BY 1,925,462 7 SOLE DISPOSITIVE POWER
EA	ACH 7 SOLE DISPOSITIVE POWER
REPO	ORTING
PER	RSON 0 8 SHARED DISPOSITIVE POWER
WI	ITH:
9	1,925,462 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
10	1,925,462 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE

- 11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9
 - 4.8%
- 12 TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)

PN

INSTRUCTIONS)

CUSIP	No. 81/5	JR102
1	NAME	S OF REPORTING PERSONS
	I.R.S. I	DENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)
2		O VenturesLabs IV, LLC THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS) (b)
3	SEC US	SE ONLY
4	CITIZE	NSHIP OR PLACE OF ORGANIZATION
	Delawa	re 5 SOLE VOTING POWER
NUME	BER OF	
SHA	ARES	0 6 SHARED VOTING POWER
BENEFI	CIALLY	
OWN	ED BY	2,734,994
EA	EACH	7 SOLE DISPOSITIVE POWER
REPO	RTING	
PER	SON	0 8 SHARED DISPOSITIVE POWER
WI	TH:	
9	AGGR	2,734,994 EGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
10	2,734,9 CHECH	94 I BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE

- 11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9
 - 6.8%
- 12 TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)

00

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

- Flagship Ventures Fund IV General Partner LLC
- CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS) 2
 - (a) (b)
- 3 SEC USE ONLY
- 4 CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

5 SOLE VOTING POWER

NUMBER OF

SHARES

SHARED VOTING POWER

BENEFICIALLY

OWNED BY

12,682,876

EACH

7 SOLE DISPOSITIVE POWER

REPORTING

PERSON

8 SHARED DISPOSITIVE POWER

WITH:

12,682,876

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

12,682,876

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE **INSTRUCTIONS**)

- 11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9
 - 31.4%
- 12 TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)

OO

1 NAMES OF REPORTING PERSONS

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

Noubar B. Afeyan, Ph.D.

- 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

United States of America

5 SOLE VOTING POWER

NUMBER OF

SHARES

U

SHARED VOTING POWER

BENEFICIALLY

OWNED BY

12,682,876

EACH

7 SOLE DISPOSITIVE POWER

REPORTING

PERSON

0

8 SHARED DISPOSITIVE POWER

WITH:

12,682,876

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

12,682,876

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)

- 11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9
 - 31.4%
- 12 TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)

IN

1 NAMES OF REPORTING PERSONS

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

Edwin M. Kania, Jr.

- 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

United States of America

5 SOLE VOTING POWER

NUMBER OF

SHARES

0

SHARED VOTING POWER

BENEFICIALLY

OWNED BY

12,682,876

EACH

7 SOLE DISPOSITIVE POWER

REPORTING

PERSON

0

8 SHARED DISPOSITIVE POWER

WITH:

12,682,876

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

12,682,876

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)

- 11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9
 - 31.4%
- 12 TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)

IN

Item 1(a). Name of Issuer:

Seres Therapeutics, Inc. (the Issuer)

Item 1(b). Address of Issuer s Principal Executive Offices:

200 Sidney Street, 4th Floor, Cambridge, Massachusetts 02139

Item 2(a). Names of Persons Filing:

The names of the persons filing this report (collectively, the Reporting Persons) are:

Flagship Ventures Fund 2007, L.P. (Fund 2007)

Flagship Ventures 2007 General Partner LLC (Fund 2007 GP)

Flagship Ventures Fund IV, L.P. (Fund IV)

Flagship Ventures Fund IV-Rx, L.P. (Fund IV-Rx)

Flagship VentureLabs IV, LLC (VentureLabs IV)

Flagship Ventures Fund IV General Partner LLC (Fund IV GP)

Noubar B. Afeyan, Ph.D. (Mr. Afeyan)

Edwin M. Kania, Jr. (Mr. Kania)

Item 2(b). Address of Principal Business Office or, if None, Residence:

The address of the principal business office of each of the Reporting Persons is:

c/o Flagship Pioneering Inc.

55 Cambridge Parkway, Suite 800E

Cambridge, Massachusetts 02142

Item 2(c). <u>Citizenship</u>:

Fund 2007 Delaware
Fund 2007 GP Delaware
Fund IV Delaware

Edgar Filing: Seres Therapeutics, Inc. - Form SC 13G/A

Fund IV-Rx Delaware
VentureLabs IV Delaware
Fund IV GP Delaware

Mr. Afeyan United States of America
Mr. Kania United States of America

Item 2(d). Title of Class of Securities:

Common Stock, \$0.001 par value per share (Common Stock).

Item 2(e). CUSIP Number:

81750R102

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:

Not applicable.

Item 4. Ownership.

The information required by this item with respect to each Reporting Person is set forth in Rows 5 through 9 and 11 of the cover page to this Schedule 13G. The ownership percentages reported are based on 40,355,753 shares of outstanding Common Stock as of November 7, 2016, as reported in the Issuer s Form 10-Q filed on November 10, 2016.

As the general partner of Fund 2007, Fund 2007 GP may be deemed to beneficially own shares of Common Stock directly held by Fund 2007. As the manager of VentureLabs IV, Fund IV may be deemed to beneficially own shares of Common Stock directly held by VentureLabs IV. As the general partner of Fund IV and FundIV-Rx, Fund IV GP may be deemed to beneficially own shares of Common Stock beneficially owned by Fund IVand directly held by Fund IV-Rx, respectively. Messrs. Afeyan and Kania, as Managers of Fund 2007 GP and Fund IV GP, may be deemed to beneficially own shares of Common Stock beneficially owned by Fund 2007 GP and Fund IV GP, respectively.

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 each of Fund 2007 and Fund 2007 GP have 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.

Item 7. <u>Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company or Control Person.</u>

Not applicable.

Item 8. <u>Identification and Classification of Members of the Group.</u>

Not applicable.

Item 9. <u>Notice of Dissolution of Group.</u>

Not applicable.

Item 10. <u>Certification</u>.

Not applicable.

Material Filed as Exhibits.

Exhibit 1 Agreement regarding filing of joint Schedule 13G.

SIGNATURE

After reasonable inquiry and to the best of its knowledge and belief, each of the undersigned certifies that the information set forth in this statement is true, complete and correct.

Date: February 13, 2017

FLAGSHIP VENTURES FUND 2007, L.P.

Flagship Ventures 2007 General Partner

By: LLC

General Partner

By: /s/ Noubar B. Afeyan Noubar B. Afeyan, Ph.D. Manager

FLAGSHIP VENTURES 2007 GENERAL PARTNER LLC

By: /s/ Noubar B. Afeyan Noubar B. Afeyan, Ph.D. Manager FLAGSHIP VENTURES FUND IV, L.P.

By: Flagship Ventures Fund IV General Partner LLC General Partner

By: /s/ Noubar B. Afeyan Noubar B. Afeyan, Ph.D. Manager FLAGSHIP VENTURES FUND IV-RX, L.P.

By: Flagship Ventures Fund IV General Partner LLC General Partner

By: /s/ Noubar B. Afeyan Noubar B. Afeyan, Ph.D. Manager

FLAGSHIP VENTURELABS IV, LLC

By: Flagship Ventures Fund IV, L.P. Manager

By: Flagship Ventures Fund IV General Partner LLC General Partner

By: /s/ Noubar B. Afeyan Noubar B. Afeyan, Ph.D. Manager

FLAGSHIP VENTURES FUND IV GENERAL PARTNER LLC

By: /s/ Noubar B. Afeyan Noubar B. Afeyan, Ph.D. Manager

/s/ NOUBAR B. AFEYAN NOUBAR B. AFEYAN, PH.D.

/s/ EDWIN M. KANIA, JR. EDWIN M. KANIA, JR.