Seres Therapeutics, Inc.

Form 4

May 27, 2016

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Check this box if no longer STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF subject to **SECURITIES** Section 16. Form 4 or

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section

may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

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obligations

(Print or Type Responses)

1. Name and Address of Reporting Person * AFEYAN NOUBAR

(Last) (First) (Middle)

1 MEMORIAL DRIVE, 7TH **FLOOR**

(Street)

2. Issuer Name and Ticker or Trading Symbol

Seres Therapeutics, Inc. [MCRB]

3. Date of Earliest Transaction (Month/Day/Year)

4. If Amendment, Date Original

Filed(Month/Day/Year)

05/25/2016

5. Relationship of Reporting Person(s) to

Issuer

(Check all applicable)

OMB APPROVAL

3235-0287

January 31,

2005

0.5

OMB

Number:

Expires:

response...

Estimated average

burden hours per

_X__ 10% Owner _X__ Director __ Other (specify Officer (give title below)

6. Individual or Joint/Group Filing(Check

Applicable Line)

Form filed by One Reporting Person X Form filed by More than One Reporting

CAMBRIDGE, MA 02142

(City)	(State)	^(Zip) Tabl	e I - Non-D	Perivative Se	ecuriti	ies Acqu	iired, Disposed of	, or Beneficial	ly Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	Code (Instr. 8)	4. Securities Acquired on(A) or Disposed of (D) (Instr. 3, 4 and 5) (A) or		5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
Common Stock, \$0.001 par value	05/25/2016		Code V S	Amount 320,562	(D)	Price \$ 27.6	2,734,994	I	See footnote
Common Stock, \$0.001 par value	05/25/2016		S	80,141	D	\$ 27.6	1,925,462	I	See footnote (2)
Common Stock, \$0.001 par value	05/25/2016		S	599,297	D	\$ 27.6	0	I	See footnote (3)

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Common Stock, \$0.001 par value	05/25/2016	<u>J(4)</u>	800,000	D	\$ 0	8,022,420	I	See footnote (5)
Common Stock, \$0.001 par value	05/25/2016	J <u>(6)</u>	200,000	D	\$ 0	1,925,462	I	See footnote (7)
Common Stock, \$0.001 par value	05/25/2016	J <u>(8)</u>	33,507	A	\$ 0	33,514	I	See footnote (5)
Common Stock, \$0.001 par value	05/25/2016	J <u>(9)</u>	7	A	\$ 0	33,514	I	See footnote (7)
Common Stock, \$0.001 par value	05/25/2016	J <u>(10)</u>	33,514	D	\$ 0	0	I	See footnote (11)

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

SEC 1474 (9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	4. Transact Code (Instr. 8)	5. orNumber of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		ate	7. Titl Amou Under Secur (Instr.	nt of lying	8. Price of Derivative Security (Instr. 5)
			Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	

9. Nu Deriv Secur Bene Own Follo Repo Trans (Instr

Reporting Owners

Reporting Owner Name / Address					
Reporting Owner Name / Address	Director	10% Owner	Officer	Other	
AFEYAN NOUBAR 1 MEMORIAL DRIVE, 7TH FLOOR CAMBRIDGE, MA 02142	X	X			
Flagship Ventures Fund 2007, L.P. 1 MEMORIAL DRIVE, 7TH FLOOR CAMBRIDGE, MA 02142		X			
Flagship Ventures Fund IV, L.P. 1 MEMORIAL DRIVE, 7TH FLOOR CAMBRIDGE, MA 02142		X			
Flagship Ventures Fund IV-Rx, L.P. 1 MEMORIAL DRIVE, 7TH FLOOR CAMBRIDGE, MA 02142		X			
Flagship VentureLabs IV, LLC 1 MEMORIAL DRIVE, 7TH FLOOR CAMBRIDGE, MA 02142		X			
Flagship Ventures 2007 General Partner LLC 1 MEMORIAL DRIVE, 7TH FLOOR CAMBRIDGE, MA 02142		X			
Flagship Ventures Fund IV General Partner LLC 1 MEMORIAL DRIVE, 7TH FLOOR CAMBRIDGE, MA 02142		X			
KANIA EDWIN M JR 1 MEMORIAL DRIVE, 7TH FLOOR CAMBRIDGE, MA 02142		X			
Signatures					
NOUBAR B. AFEYAN, Ph.D, /s/ Noubar B. Afe	yan				05/27/2016
**Signature of Repo	Date				
FLAGSHIP VENTURES FUND 2007, L.P., By: LLC, By: /s/ Noubar Afeyan, Name: Noubar B. A	05/27/2016				
**Signature of Repo	Date				
FLAGSHIP VENTURES FUND IV, L.P., By: Fla LLC, By: /s/ Noubar Afeyan, Name: Noubar B. A	05/27/2016				
**Signature of Repo	Date				
FLAGSHIP VENTURES FUND IV-RX, L.P., By Partner LLC, By: /s/ Noubar Afeyan, Name: Noub	05/27/2016				
**Signature of Repo	rting Person				Date
FLAGSHIP VENTURELABS IV LLC., By: Flag LLC, By: /s/ Noubar Afeyan, Name: Noubar B. A	05/27/2016				

Reporting Owners 3

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**Signature of Reporting Person

Date

FLAGSHIP VENTURES 2007 GENERAL PARTNER LLC, By: /s/ Noubar Afeyan, Name:

Noubar B. Afeyan, Title: Manager

05/27/2016

**Signature of Reporting Person

Date

FLAGSHIP VENTURESFUND IV GENERAL PARTNER LLC, By: /s/ Noubar Afeyan,

Name: Noubar B. Afeyan, Title: Manager

05/27/2016

**Signature of Reporting Person

Date

EDWIN M. KANIA, JR., /s/ Edwin M. Kania, Jr.

05/27/2016

**Signature of Reporting Person

Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Held by Flagship VentureLabs IV LLC ("Flagship VentureLabs"). Flagship Ventures Fund IV, L.P. ("Flagship Fund IV") is a member of Flagship VentureLabs and also serves as its manager. Flagship Ventures Fund IV General Partner LLC ("Flagship Fund IV GP") is the general partner of Flagship Fund IV. Noubar B. Afeyan, Ph.D. and Edwin M. Kania, Jr. are the managers of Flagship Fund IV GP.

- (1) the general partner of Flagship Fund IV. Noubar B. Afeyan, Ph.D. and Edwin M. Kania, Jr. are the managers of Flagship Fund IV GP.

 Each of these individuals and entities may be deemed to share voting and investment power with respect to all shares held by Flagship VentureLabs. Each of the filing persons disclaims beneficial ownership of such shares except to the extent of his or its pecuniary interest therein.
- Held by Flagship Ventures Fund IV-Rx, L.P. ("Flagship IV-Rx"). Flagship Fund IV GP is the general partner of Flagship IV-Rx. Dr.

 Afeyan and Mr. Kania are the managers of Flagship Fund IV GP and each of these managers may be deemed to share voting and investment power with respect to all shares held by Flagship IV-Rx. Each of the filing persons disclaims beneficial ownership of the shares except to the extent of his or its pecuniary interest therein.
- Held by Flagship Ventures Fund 2007, L.P. ("Flagship 2007"). Flagship Ventures 2007 General Partner LLC ("Flagship 2007 LLC") is the general partner of Flagship 2007. Dr. Afeyan and Mr. Kania are the managers of Flagship 2007 LLC and each of these managers may be deemed to share voting and investment power with respect to all shares held by Flagship 2007. Each of the filing persons disclaims beneficial ownership of the shares except to the extent of his or its pecuniary interest therein.
- (4) Distribution of shares in kind by Flagship Fund IV on a pro rata basis to its partners.
- (5) The shares are directly held by Flagship Fund IV. Flagship Fund IV GP is the general partner of Flagship Fund IV. Dr. Afeyan and Mr. Kania are the managers of Flagship Fund IV GP and each of these managers may be deemed to share voting and investment power with respect to all shares held by Flagship Fund IV. Each of the filing persons disclaims beneficial ownership of the shares except to the extent of his or its pecuniary interest therein.
- (6) Distribution of shares in kind by Flagship IV-Rx on a pro rata basis to its partners.
 - The shares are directly held by Flagship IV-Rx. Flagship Fund IV GP is the general partner of Flagship IV-Rx. Dr. Afeyan and Mr.
- (7) Kania are the managers of Flagship Fund IV GP and each of these managers may be deemed to share voting and investment power with respect to all shares held by Flagship Fund IV-Rx. Each of the filing persons disclaims beneficial ownership of the shares except to the extent of his or its pecuniary interest therein.
- (8) Flagship Fund IV GP received shares distributed in kind by Flagship Fund IV on a pro rata basis to its partners.
- (9) Flagship Fund IV GP received shares distributed in kind by Flagship IV-Rx on a pro rata basis to its partners.
- (10) Distribution of shares in kind by Flagship Fund IV GP on a pro rata basis to its members.

The shares are directly held by Flagship Fund IV GP. As such, each of Dr. Afeyan and Mr. Kania exercises shared voting and (11) investment power over the shares held by Flagship Fund IV GP. Each of the filing persons disclaims beneficial ownership of the shares except to the extent of his or its pecuniary interest therein.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

Signatures 4