### FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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Check this box if no longer subject to
Section 16. Form 4 or Form 5
obligations may continue. See
Instruction 1(b).

# STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934

				0	r Section	on 30(n) (	or the	investment (	company Ac	of 1940					
	nd Address of	f Reporting Person*						ker or Tradin cs, Inc.	0 ,			Relationship eck all appli Directo	cable)	Person(s) to Is	
				— <u> </u>							_		(give title	Other (	·
(Last) (First) (Middle) C/O SAGE THERAPEUTICS, INC.					3. Date of Earliest Transaction (Month/Day/Year) 02/12/2020						Chief Business Officer				
	ST STREE														
(Street)				—   <sup>4.</sup>	If Ame	ndment, I	Date	of Original Fi	led (Month/D	ay/Year)	6. II		Joint/Group F	Filing (Check Ap	plicable
CAMBR	IDGE M	1A	02142										,	Reporting Personthan One Report	
(City)	(9	State)	(Zip)	-								Persor		шан Опе Керс	nung
(Oity)						itio.		autical D	ionoood	of or Do	noficial.	lu Ourana	<u> </u>		
1 Title of 9	Security (Inc		ole I - Non-De	ransactio		2A. Deem		3.	-	ities Acquir		5. Amou		6. Ownership	7. Nature
Date				Execution Date,		e, Transaction Disposed Of (D) (Instr. 3, 4 Code (Instr. 5)				Securitie Benefici Owned F	es Form ally (D) o following (I) (Ir	Form: Direct D) or Indirect I) (Instr. 4)	of Indirect Beneficial Ownership		
			Code V			' Amount	(A) o (D)	r Price	Reported Transact (Instr. 3	tion(s)		(Instr. 4)			
		-	Table II - Der (e.g					uired, Dis				Owned			
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Yea	4. Transa Code	action	5. Number 6		6. Date Exercisable and Expiration Date (Month/Day/Year) 0.00 C C C C C C C C C C C C C C C C C		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s (Instr. 4)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Stock Option (Right to Buy)	\$68.87	02/12/2020		A		22,500		(1)	02/12/2030	Common Stock	22,500	\$0.00	22,500	D	

### ${\bf Explanation\ of\ Responses:}$

1. The securities awarded on February 12, 2020 were in the form of stock options issued pursuant to the Sage Therapeutics, Inc. 2014 Stock Option and Incentive Plan. Options to purchase 5,625 shares of common stock shall vest on the one year anniversary of February 12, 2020, with 16,875 shares vesting in 36 equal monthly installments thereafter.

### Remarks:

/s/ Jennifer Fitzpatrick, as

Attorney-in-Fact for Michael 02/14/2020

Cloonan

\*\* Signature of Reporting Person Date

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

- $^{\star}$  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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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 Number.

- I, the undersigned, hereby authorize and designate Anne Marie Cook (SVP, General Counsel), Kimi Iguchi (Chief Financial Officer), Erin Lanciani (SVP, People and Organizational Strategy), and Jennifer Fitzpatrick (Vice President, Corporate Counsel) for as long as they remain employees of Sage Therapeutics, Inc., and Laurie Burlingame of Goodwin Procter, each acting singly, or their successors in role, to take the following actions, acting as my agent and attorney-in-fact, with full power of substitution:
- (1) to prepare and sign on my behalf any Form 3, Form 4 or Form 5 pursuant to Section 16 of the Securities Exchange Act of 1934, as amended, and to file the same with the Securities and Exchange Commission, NASDAQ, NYSE, and each stock exchange on which shares of Common Stock or other securities of Sage Therapeutics, Inc. are listed, as required by law;
- (2) to prepare and sign on my behalf any Form 144 pursuant to the Securities Act of 1933, as amended, and to file the same with the Securities and Exchange Commission, NASDAQ, NYSE, and each stock exchange on which shares of Common Stock or other securities of Sage Therapeutics, Inc. are listed, as required by law; and
- (3) take any other action necessary or proper in connection with the foregoing.

Unless earlier revoked under the next sentence, this Power of Attorney shall remain in effect as long as I am an executive officer or director of Sage Therapeutics, Inc., and shall not be affected by my subsequent disability or incompetence. I may revoke this Power of Attorney by written notice delivered, in person or by nationally recognized courier, to the attention of the SVP, General Counsel of Sage Therapeutics, Inc.

/s/ Michael Cloonan

(Signature of Executive Officer or Director)

Name: Michael Cloonan

Date: 1/02/2019