Calithera Biosciences, Inc.

Form 4

September 24, 2015

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

OMB Number:

3235-0287 January 31,

0.5

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Symbol

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5. Relationship of Reporting Person(s) to

Issuer

Section 16. Form 4 or Form 5 obligations may continue. See Instruction

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

30(h) of the Investment Company Act of 1940

2. Issuer Name and Ticker or Trading

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person *

ADAGE CAPITAL PARTNERS GP

LLC		Ca	alithera Bio	scien	ices, Inc.	[CA]	LA]	(Check	all applicable)	
(Moi			3. Date of Earliest Transaction Month/Day/Year)				be	(Check all applicable) Director X 10% Owner Officer (give title Other (specify below)		Owner	
			led(Month/Day/Year) Ap				Ap	6. Individual or Joint/Group Filing(Check Applicable Line) Form filed by One Reporting Person			
BOSTON, MA 02116								_X_ Form filed by More than One Reporting Person			
(City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned									y Owned		
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution D any (Month/Day	Oate, if Tran Code y/Year) (Inst		4. Securiti	ed of ((D)	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, par value \$0.0001 ("Common Stock")	09/22/2015		p		25,000	A	\$ 5.9977	3,053,101	I	See footnote (1)	
Common Stock	09/22/2015		P		41,800	A	\$ 6.0033	3,094,901	I	See footnote (1)	
Common Stock	09/23/2015		P		40,168	A	\$ 6.0687	3,135,069	I	See footnote (1)	

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

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SEC 1474 (9-02)

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

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

1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	isable and	7. Titl	e and	8. Price of	9
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transacti	orNumber	Expiration Da	ate	Amou	nt of	Derivative	J
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Under	lying	Security	,
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Secur	ities	(Instr. 5)]
	Derivative				Securities			(Instr.	3 and 4)		(
	Security				Acquired						J
					(A) or]
					Disposed						-
					of (D)						(
					(Instr. 3,						
					4, and 5)						
									Amount		
						Date	Expiration	m	or		
						Exercisable	Date	Title	Number		
				~					of		
				Code V	(A) (D)				Shares		

Reporting Owners

Reporting Owner Name / Address	Relationships					
coporang o macrimano, manena	Director	10% Owner	Officer	Other		
ADAGE CAPITAL PARTNERS GP LLC 200 CLARENDON STREET, 52ND FLOOR BOSTON, MA 02116		X				
Adage Capital Partners, L.P. 200 CLARENDON STREET, 52ND FLOOR BOSTON, MA 02116		X				
Adage Capital Advisors, L.L.C. 200 CLARENDON STREET 52ND FLOOR BOSTON, MA 02116		X				
Atchinson Robert 200 CLARENDON STREET 52ND FLOOR BOSTON, MA 02116		X				
Gross Phillip 200 CLARENDON STREET 52ND FLOOR BOSTON, MA 02116		X				

Reporting Owners 2

Signatures

/s/ Adage Capital Partners GP, L.L.C.; By its managing member Adage Capital Advisors,					
L.L.C.; By its managing member Robert Atchinson					
**Signature of Reporting Person	Date				
/s/ Adage Capital Partners, L.P.; By its general partner Adage Capital Partners GP, L.L.C.; By its managing member Adage Capital Advisors, L.L.C.; By its managing member Robert Atchinson					
**Signature of Reporting Person	Date				
/s/ Adage Capital Advisors, L.L.C.; By its managing member Robert Atchinson **Signature of Reporting Person	09/24/2015 Date				
/s/ Robert Atchinson	09/24/2015				
**Signature of Reporting Person	Date				
/s/ Phillip Gross	09/24/2015				
***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).

The securities to which this filing relates are held directly by Adage Capital Partners, L.P., a Delaware limited partnership (the "Fund").

Adage Capital Partners GP, L.L.C., a Delaware limited liability company ("ACPGP"), serves as the general partner of the Fund and as such has discretion over the portfolio securities beneficially owned by the Fund. Adage Capital Advisors, L.L.C., a Delaware limited liability company ("ACA"), is the managing member of ACPGP and directs ACPGP's operations. Robert Atchinson and Phillip Gross are the managing members of ACPGP and ACA and general partners of the Fund. ACPGP, ACA, Robert Atchinson and Phillip Gross disclaim beneficial ownership of the reported securities except to the extent of their 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 3