

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

OMB APPROVAL	
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Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* <u>ADAGE CAPITAL PARTNERS GP LLC</u> <hr/> (Last) (First) (Middle) <u>200 CLARENDON STREET, 52ND FLOOR</u> <hr/> (Street) <u>BOSTON MA 02116</u> <hr/> (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) <u>09/25/2014</u>	3. Issuer Name and Ticker or Trading Symbol <u>Calithera Biosciences, Inc. [CALA]</u>	
		4. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director <input type="checkbox"/> 10% Owner <input checked="" type="checkbox"/> Officer (give title below) <input type="checkbox"/> Other (specify below) <input type="checkbox"/>	5. If Amendment, Date of Original Filed (Month/Day/Year) 6. Individual or Joint/Group Filing (Check Applicable Line) <input type="checkbox"/> Form filed by One Reporting Person <input checked="" type="checkbox"/> Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock, par value \$0.0001	1,783,675	I	See footnotes ⁽¹⁾⁽²⁾

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

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of Derivative Security	5. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date				

1. Name and Address of Reporting Person* <u>ADAGE CAPITAL PARTNERS GP LLC</u> <hr/> (Last) (First) (Middle) <u>200 CLARENDON STREET, 52ND FLOOR</u> <hr/> (Street) <u>BOSTON MA 02116</u> <hr/> (City) (State) (Zip)		
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1. Name and Address of Reporting Person* <u>Adage Capital Partners, L.P.</u> <hr/> (Last) (First) (Middle) <u>200 CLARENDON STREET, 52ND FLOOR</u> <hr/> (Street) <u>BOSTON MA 02116</u> <hr/> (City) (State) (Zip)		
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1. Name and Address of Reporting Person*		
Adage Capital Advisors, L.L.C.		
(Last)	(First)	(Middle)
200 CLARENDON STREET 52ND FLOOR		
(Street)		
BOSTON	MA	02116
(City) (State) (Zip)		
1. Name and Address of Reporting Person*		
Atchinson Robert		
(Last)	(First)	(Middle)
200 CLARENDON STREET 52ND FLOOR		
(Street)		
BOSTON	MA	02116
(City) (State) (Zip)		
1. Name and Address of Reporting Person*		
Gross Phillip		
(Last)	(First)	(Middle)
200 CLARENDON STREET 52ND FLOOR		
(Street)		
BOSTON	MA	02116
(City) (State) (Zip)		

Explanation of Responses:

1. 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.

2. The filing of this statement shall not be deemed an admission that any of the Reporting Persons is the beneficial owner of the securities reported herein for purposes of Section 16 of the Securities Act of 1934, as amended, or otherwise. Each of the Reporting Persons expressly disclaims beneficial ownership of the securities reported herein except to the extent of its or his pecuniary interest therein.

/s/ Robert Atchinson	09/26/2014
/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	
/s/ Adage Capital Partners GP, L.L.C.; By its managing member Adage Capital Advisors, L.L.C.; By its managing member Robert Atchinson	09/26/2014
/s/ Adage Capital Advisors, L.L.C.; By its managing member Robert Atchinson	09/26/2014
/s/ Phillip Gross	09/26/2014

** Signature of Reporting Person Date

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

* If the form is filed by more than one reporting person, see Instruction 5 (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.