

Calithera Biosciences, Inc.  
 Form 3  
 October 01, 2014

**FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**

OMB APPROVAL  
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**INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES**

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

(Print or Type Responses)

<p>1. Name and Address of Reporting Person *</p> <p>Â Molineaux Susan</p> <p>(Last) (First) (Middle)</p> <p>C/O CALITHERA                  BIOSCIENCES, INC.,Â 343                  OYSTER POINT BLVD. #200</p> <p>(Street)</p> <p>SOUTH SAN                  FRANCISCO,Â CAÂ 94080</p> <p>(City) (State) (Zip)</p>	<p>2. Date of Event Requiring Statement</p> <p>(Month/Day/Year)</p> <p>10/01/2014</p>	<p>3. Issuer Name and Ticker or Trading Symbol</p> <p>Calithera Biosciences, Inc. [CALA]</p>	<p>4. Relationship of Reporting Person(s) to Issuer</p> <p>(Check all applicable)</p> <p><input checked="" type="checkbox"/> Director <input type="checkbox"/> 10% Owner  <input checked="" type="checkbox"/> Officer <input type="checkbox"/> Other                  (give title below) (specify below)                  PRESIDENT AND CEO</p>	<p>5. If Amendment, Date Original Filed(Month/Day/Year)</p>	<p>6. Individual or Joint/Group Filing(Check Applicable Line)</p> <p><input checked="" type="checkbox"/> Form filed by One Reporting Person  <input type="checkbox"/> Form filed by More than One Reporting Person</p>
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**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	106,962	I	By Trust <sup>(1)</sup>
Common Stock	11,000	D	Â

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

SEC 1473 (7-02)

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**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	4. Conversion or Exercise	5. Ownership Form of	6. Nature of Indirect Beneficial Ownership (Instr. 5)
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	Date Exercisable	Expiration Date	(Instr. 4) Title	Amount or Number of Shares	Price of Derivative Security	Derivative Security: Direct (D) or Indirect (I) (Instr. 5)	
Stock Option (Right to Buy)	Â (2)	12/13/2021	Common Stock	19,649	\$ 0.48	D	Â
Stock Option (Right to Buy)	Â (3)	06/12/2022	Common Stock	24,252	\$ 0.48	D	Â
Stock Option (Right to Buy)	Â (4)	05/22/2023	Common Stock	45,405	\$ 0.96	D	Â
Stock Option (Right to Buy)	Â (5)	12/16/2023	Common Stock	115,713	\$ 2.64	D	Â
Stock Option (Right to Buy)	Â (6)	09/08/2024	Common Stock	63,716	\$ 7.2	D	Â
Stock Option (Right to Buy)	Â (7)	05/22/2023	Common Stock	39,011	\$ 0.96	I	By Spouse
Stock Option (Right to Buy)	Â (8)	12/16/2023	Common Stock	34,033	\$ 2.64	I	By Spouse
Stock Option (Right to Buy)	Â (9)	09/08/2024	Common Stock	18,740	\$ 7.2	I	By Spouse

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Molineaux Susan C/O CALITHERA BIOSCIENCES, INC. 343 OYSTER POINT BLVD. #200 SOUTH SAN FRANCISCO, CA 94080	Â X	Â	Â PRESIDENT AND CEO	Â

## Signatures

/s/ Susan M. Molineaux 10/01/2014

\*\*Signature of Reporting Person Date

## Explanation of Responses:

- \* 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).
- (1) Shares and shares issuable pursuant to stock options, as applicable, are held by Molineaux Family Trust Dated Nov. 9, 2000, of which Reporting Person is a Trustee.
  - (2) 1/48 of the Option vests in equal monthly installments one month from 11/07/2011. The option shall be subject to accelerated vesting as set forth in the optionee's employment agreement with the Company.

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- (3) 1/48 of the Option vests in equal monthly installments one month from 03/27/2013. The option shall be subject to accelerated vesting as set forth in the optionee's employment agreement with the Company.
- (4) 1/48 of the Option vests in equal monthly installments one month from 05/23/2013. The option shall be subject to accelerated vesting as set forth in the optionee's employment agreement with the Company.
- (5) 1/48 of the Option vests in equal monthly installments one month from 09/09/2014. The option shall be subject to accelerated vesting as set forth in the optionee's employment agreement with the Company.
- (6) 1/48 of the Option vests in equal monthly installments one month from 12/17/2013. The option shall be subject to accelerated vesting as set forth in the optionee's employment agreement with the Company.
- (7) 1/48 of the Option vests in equal monthly installments one month from 05/23/2013. The option shall be subject to accelerated vesting as set forth in such optionee's employment agreement with the Company.
- (8) 1/48 of the Option vests in equal monthly installments one month from 12/17/2013. The option shall be subject to accelerated vesting as set forth in such optionee's employment agreement with the Company.
- (9) 1/48 of the Option vests in equal monthly installments one month from 09/09/2013. The option shall be subject to accelerated vesting as set forth in such optionee's employment agreement with the Company.

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

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