

Calithera Biosciences, Inc.
 Form 4
 July 15, 2015

FORM 4

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

OMB APPROVAL

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STATEMENT OF CHANGES IN 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)

1. Name and Address of Reporting Person *
 Molineaux Susan

(Last) (First) (Middle)

C/O CALITHERA BIOSCIENCES, INC., 343 OYSTER POINT BLVD. #200

(Street)

SOUTH SAN FRANCISCO, CA 94080

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
 Calithera Biosciences, Inc. [CALA]

3. Date of Earliest Transaction (Month/Day/Year)
 07/13/2015

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

Director 10% Owner
 Officer (give title below) Other (specify below)
 PRESIDENT AND CEO

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	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)
			Code	V	Amount	(A) or (D)	Price
Common Stock	07/13/2015		M		15,282	A	\$ 0.48
Common Stock	07/13/2015		M		14,330	A	\$ 0.48
Common Stock	07/13/2015		M		16,396	A	\$ 0.96
Common Stock	07/13/2015		M		30,279	A	\$ 2.64
					117,962	I	

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Common Stock				By Trust (2)
Common Stock	26,875	I		By Spouse

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

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(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)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. Amount or Number of Shares	
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Option (Right to Buy)	\$ 0.48	07/13/2015		M	15,282	(3) 12/13/2021	Common Stock	15,282	
Stock Option (Right to Buy)	\$ 0.48	07/13/2015		M	14,330	(4) 06/12/2022	Common Stock	14,330	
Stock Option (Right to Buy)	\$ 0.96	07/13/2015		M	16,396	(5) 05/22/2023	Common Stock	16,396	
Stock Option (Right to Buy)	\$ 2.64	07/13/2015		M	30,279	(6) 12/16/2023	Common Stock	30,279	
Stock Option (Right to Buy)	\$ 0.96	07/13/2015		M	14,087	(5) 05/22/2023	Common Stock	14,087	
Stock Option	\$ 2.64	07/13/2015		M	10,288	(6) 12/16/2023	Common Stock	10,288	

(Right to Buy)

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	X		PRESIDENT AND CEO	

Signatures

/s/Susan M.
Molineaux 07/15/2015

**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).
- (1) Includes 2,500 shares acquired under the Company's 2014 Employee Stock Purchase Plan on May 15, 2015.
- (2) 11,000 shares were transferred from Reporting Person to Molineaux Family Trust Dated Nov. 9, 2000, of which Reporting Person is a Trustee, on June 11, 2015.
- (3) 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.
- (4) 1/48 of the Option vests in equal monthly installments one month from 03/27/2012. 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 05/23/2013. 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.

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.