Calithera Biosciences, Inc.

Form 4

December 31, 2015

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

OMB 3235-0287 Number:

OMB APPROVAL

Check this box if no longer subject to Section 16.

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

January 31, Expires: 2005 Estimated average

0.5

Form 4 or Form 5 obligations may continue.

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

burden hours per response...

See Instruction 1(b).

(Last)

(Print or Type Responses)

1. Name and Address of Reporting Person * Bennett Mark K

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to Issuer

(Middle)

Calithera Biosciences, Inc. [CALA]

(Check all applicable)

C/O CALITHERA BIOSCIENCES.

(First)

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

12/29/2015

Director 10% Owner __Other (specify _X__ Officer (give title _

SR. VP, RESEARCH

INC., 343 OYSTER POINT BLVD. #200

(Street)

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check

Applicable Line)

Filed(Month/Day/Year)

X Form filed by One Reporting Person Form filed by More than One Reporting

below)

SOUTH SAN FRANCISCO, CA 94080

(City)	(State) (Z	Zip) Table	f, or Beneficially Owned						
1.Title of Security (Instr. 3)	2. Transaction Date 2A. Deemed (Month/Day/Year) Execution Date, if any (Month/Day/Year)		3. Transactio Code (Instr. 8)	4. Securities Acquired on(A) or Disposed of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following	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	Reported Transaction(s) (Instr. 3 and 4)		
Common Stock	12/29/2015		M	1,217	A	\$ 0.48	1,217	D	
Common Stock	12/29/2015		M	1,612	A	\$ 0.48	2,829	D	
Common Stock	12/29/2015		M	2,835	A	\$ 0.96	5,664	D	
Common Stock	12/29/2015		M	4,749	A	\$ 2.64	10,413	D	
							52,374	I	

Common Stock

By Trust

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

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 control number.

SEC 1474 (9-02)

> 8. I De Sec (In

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. Transactic Code (Instr. 8)	5. Number action Derivative Securities 8) 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)	
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Option (Right to Buy)	\$ 0.48	12/29/2015		M		1,217	(2)	12/13/2021	Common Stock	1,217
Stock Option (Right to Buy)	\$ 0.48	12/29/2015		M		1,612	(3)	06/12/2022	Common Stock	1,612
Stock Option (Right to Buy)	\$ 0.96	12/29/2015		M		2,835	<u>(4)</u>	05/22/2023	Common Stock	2,835
Stock Option (Right to Buy)	\$ 2.64	12/29/2015		M		4,749	<u>(5)</u>	12/16/2023	Common Stock	4,749

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

SR. VP, RESEARCH

Reporting Owners 2

Bennett Mark K C/O CALITHERA BIOSCIENCES, INC. 343 OYSTER POINT BLVD. #200 SOUTH SAN FRANCISCO, CA 94080

Signatures

/s/ Mark K. Bennett

12/31/2015

**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).

Shares are held directly by Mark K. and Grace T. Bennett 1991 Revocable Trust, of which Reporting Person is a Trustee ("Bennett Family Trust"), including the following shares transferred from the Reporting Person to Bennett Family Trust: transfers on July 21, 2015

- (1) of a total of 18,365 shares from the Reporting Person's July 8, 2015 option exercises; transfer on July 21, 2015 of 1,136 shares purchased by the Reporting Person on May 15, 2015 under the Company's 2014 Employee Stock Purchase Plan (the "ESPP"); transfer on December 14, 2015 of 1,319 shares purchased by the Reporting Person on November 13, 2015 under the ESPP.
- (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.
- (3) 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.
- (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 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.

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