

OMB APPROVAL	
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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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>Parlati Francesco</u> (Last) (First) (Middle) C/O CALITHERA BIOSCIENCES, INC. 343 OYSTER POINT BLVD. #200 (Street) SOUTH SAN CA 94080 (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>Calithera Biosciences, Inc. [CALA]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) VP, RESEARCH
	3. Date of Earliest Transaction (Month/Day/Year) 02/20/2018	
4. If Amendment, Date of Original Filed (Month/Day/Year) 02/22/2018		

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	02/20/2018		M		1,979	A	\$0.96	25,339 ⁽¹⁾⁽²⁾	D	
Common Stock	02/20/2018		M		3,116	A	\$0.96	28,455 ⁽¹⁾⁽²⁾	D	

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 Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code	V	(A)	(D)	Date Exercisable	Expiration Date						Title
Employee Stock Option (Right to Buy)	\$0.96	02/20/2018		M		1,979		(3)	05/22/2023	Common Stock	1,979	\$0.00	0	D	
Employee Stock Option (Right to Buy)	\$0.96	02/20/2018		M		3,116		(4)	05/22/2023	Common Stock	3,116	\$0.00	0	D	

Explanation of Responses:

- 7,967 shares were omitted from the Reporting Person's original Form 4, and also were omitted from the Reporting Person's Form 3 filed by the Reporting Person prior to the date the original Form 4 was filed.
- Includes 973 and 2,038 shares acquired under the Company's 2014 Employee Stock Purchase Plan on June 9, 2017 and December 8, 2017, respectively.
- 1/48th of the Option vests in equal monthly installments beginning November 15, 2012. The Option shall be subject to accelerated vesting as set fourth in the optionee's employment agreement with the Company.
- 1/48th of the Option vests in equal monthly installments one month after May 23, 2013. The Option shall be subject to accelerated vesting as set fourth in the optionee's employment agreement with the Company.

Remarks:

/s/ Francesco Parlati 03/06/2018

** 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 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).

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.