Calithera Biosciences, Inc. Form SC 13G/A July 10, 2017

SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

Schedule 13G/A

INFORMATION TO BE INCLUDED IN STATEMENTS PURSUANT TO RULES 13d-1(b),(c) AND (d) AND AMENDMENTS THERETO FILED PURSUANT TO 13d-2 UNDER THE SECURITIES EXCHANGE ACT OF 1934*

(Amendment No. 1)

Calithera Biosciences, Inc. (Name of Issuer)

Common stock, \$0.0001 par value per share (Title of Class of Securities)

13089P101 (CUSIP Number)

July 1, 2017 (Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- [] Rule 13d-1(b)
- [X] Rule 13d-1(c)
- [] Rule 13d-1(d)

* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

Schedule 13G/A

PAGE 2 of 18

CUSIP No. 13089P101

(1) NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON Viking Global Investors LP

(2) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP

(a) [] (b) [x]

1

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(3)	SEC US	E ONLY	
(4)			
NUMBER OF SHARES	(!	5) SOLE VOTING POWER 0	
BENEFICIA OWNED BY	LLY (6) SHARED VOTING POWER 2,420,317	
EACH REPORTING	· ·	7) SOLE DISPOSITIVE POWER 0	
PERSON WI	TH (8) SHARED DISPOSITIVE POWER 2,420,317	
(9)		ATE AMOUNT BENEFICIALLY OWNED H REPORTING PERSON 317	
(10)		BOX IF THE AGGREGATE AMOUNT (9) EXCLUDES CERTAIN SHARES	[]
(11)		I OF CLASS REPRESENTED UNT IN ROW (9)	
(12)	TYPE O PN	F REPORTING PERSON	
Schedule	13G/A		PAGE 3 of 18
CUSIP No.	13089P	101	
(1)	S.S. 01	F REPORTING PERSON R I.R.S. IDENTIFICATION NO. OF ABOVE PERSON Global Performance LLC	
(2)	CHECK	THE APPROPRIATE BOX IF A MEMBER OF A GROUP	(a) [] (b) [x]
(3)	SEC USI	E ONLY	
(4)	CITIZEI Delawa:	NSHIP OR PLACE OF ORGANIZATION re	
NUMBER OF SHARES	()	5) SOLE VOTING POWER 0	

BENEFICIAI	LLY (,	SHARED VOTING POWER 1,638,671					
EACH	((7)	SOLE DISPOSITIVE POWER					
REPORTING			·					
PERSON WIT	CH ((8)	SHARED DISPOSITIVE POWER 1,638,671					
(-)	BY EAC	GREGATE AMOUNT BENEFICIALLY OWNED EACH REPORTING PERSON 638,671						
(10)		ECK BOX IF THE AGGREGATE AMOUNT ROW (9) EXCLUDES CERTAIN SHARES						
. ,			F CLASS REPRESENTED IN ROW (9)					
(12)	TYPE C OO	OF RE	EPORTING PERSON					

Schedule 13G/A

PAGE 4 of 18

CUSIP No. 13089P101

(1)	NAME	OF	REPORT	ING PERSON					
		S.S.	OR	I.R.S.	IDENTIFICATION	NO.	OF	ABOVE	PERSON	
		Vikir	ng G	Global 1	Equities LP					

(2)	CHECK	THE	APPROPRIATE	BOX	IF	А	MEMBER	OF	А	GROUP		
											(a)	[]
											(b)	[x]

(3) SEC USE ONLY

. ,	IZENSH aware	IP OR PLACE OF ORGANIZATION
NUMBER OF	(5)	SOLE VOTING POWER 0
SHARES		
BENEFICIALLY OWNED BY	(6)	SHARED VOTING POWER 548,956
• · · · · · · · · · · · · · · · · · · ·		
EACH	(7)	SOLE DISPOSITIVE POWER 0
REPORTING		
PERSON WITH	(8)	SHARED DISPOSITIVE POWER 548,956

(9)		IE AMOUNT BENEFICIALLY OWNED REPORTING PERSON		
(10)		DX IF THE AGGREGATE AMOUNT (9) EXCLUDES CERTAIN SHARES		[]
(11)		OF CLASS REPRESENTED NT IN ROW (9)		
(12)	TYPE OF PN	REPORTING PERSON		
Schedule 1	13G/A		PAGE 5 d	of 18
CUSIP No.	13089P1	01		
(1)	S.S. OR	REPORTING PERSON I.R.S. IDENTIFICATION NO. OF ABOVE PERSON Global Equities II LP		
(2)	CHECK T	HE APPROPRIATE BOX IF A MEMBER OF A GROUP	(a) (b)	[] [x]
(3)	SEC USE CITIZEN Delawar	SHIP OR PLACE OF ORGANIZATION		
	Derawar			
NUMBER OF	(5) SOLE VOTING POWER 0		
BENEFICIAI OWNED BY	LLY (6) SHARED VOTING POWER 32,773		
EACH REPORTING	(7) SOLE DISPOSITIVE POWER 0		
PERSON WIT	ГН (8) SHARED DISPOSITIVE POWER 32,773		
(9)		IE AMOUNT BENEFICIALLY OWNED REPORTING PERSON		
(10)		OX IF THE AGGREGATE AMOUNT (9) EXCLUDES CERTAIN SHARES		[]
(11)		OF CLASS REPRESENTED NT IN ROW (9)		

(12)	TYPE PN	OF F	REPORTING PERSON		
Schedule	13G/A			PAGE 6	of 18
CUSIP No.	13089	9P101			
(1)	s.s.	OR I	REPORTING PERSON C.R.S. IDENTIFICATION NO. OF ABOVE PERSON Portfolio Ltd.		
(2)	CHECH	K THE	APPROPRIATE BOX IF A MEMBER OF A GROUP	(a) (b)	[] [x]
(3)	SEC U	JSE C	DNLY		
(4)		-	IIP OR PLACE OF ORGANIZATION lands		
NUMBER OF		(5)	SOLE VOTING POWER 0		
SHARES BENEFICIA OWNED BY	LLY	(6)	SHARED VOTING POWER 1,056,942		
EACH REPORTING		(7)	SOLE DISPOSITIVE POWER 0		
PERSON WI	TH	(8)	SHARED DISPOSITIVE POWER 1,056,942		
(9)		ACH F	AMOUNT BENEFICIALLY OWNED REPORTING PERSON		
(10)			X IF THE AGGREGATE AMOUNT 9) EXCLUDES CERTAIN SHARES		[]
(11)			DF CLASS REPRESENTED IN ROW (9)		
(12)	TYPE CO	OF F	REPORTING PERSON		

Schedule 13G/A

PAGE 7 of 18

CUSIP No. 13089P101

(1)	(1) NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON Viking Long Fund GP LLC									
(2)	CHECK TH	HE APPROPRIATE BOX IF A MEMBER OF A GROUP	(a) (b)	[] [x]						
(3)	SEC USE	ONLY								
(4)	CITIZENS Delaware	SHIP OR PLACE OF ORGANIZATION e								
NUMBER OF	(5)) SOLE VOTING POWER 0								
BENEFICIA: OWNED BY	LLY (6)) SHARED VOTING POWER 781,646								
EACH REPORTING	(7)) SOLE DISPOSITIVE POWER 0								
PERSON WI	TH (8)) SHARED DISPOSITIVE POWER 781,646								
(9)		TE AMOUNT BENEFICIALLY OWNED REPORTING PERSON								
(10)		OX IF THE AGGREGATE AMOUNT (9) EXCLUDES CERTAIN SHARES		[]						
(11)		OF CLASS REPRESENTED NT IN ROW (9)								
(12)	TYPE OF OO	REPORTING PERSON								
Schedule	13G/A		PAGE 8	of 18						
CUSIP No.	13089P10	01								
(1)	S.S. OR	REPORTING PERSON I.R.S. IDENTIFICATION NO. OF ABOVE PERSON Long Fund Master Ltd.								
(2)	CHECK TH	HE APPROPRIATE BOX IF A MEMBER OF A GROUP	(a) (b)	[] [x]						
(3)	SEC USE	ONLY								

(4) CITIZENSHIP OR PLACE OF ORGANIZATION Cayman Islands

NUMBER OF SHARES		(5)	SOLE VOTING POWER 0						
BENEFICIALLY OWNED BY		(6)	SHARED VOTING POWER 781,646						
EACH		(7)	SOLE DISPOSITIVE POWER 0						
REPORTING			-						
PERSON WIT	ГН	(8)	SHARED DISPOSITIVE POWER 781,646						
(9)		CH R	GATE AMOUNT BENEFICIALLY OWNED CH REPORTING PERSON 6						
(10)	[]								
(11)			F CLASS REPRESENTED IN ROW (9)						
(12)	TYPE CO	OF R	EPORTING PERSON						
Schedule : CUSIP No.		P101		PAGE 9 of 18					
(1)	S.S.	OR I	EPORTING PERSON .R.S. IDENTIFICATION NO. OF ABOVE PERSON s Halvorsen						
(2)	CHECK	THE	APPROPRIATE BOX IF A MEMBER OF A GROUP	(a) [] (b) [x]					
(3)	SEC U	SE O	NLY						
(4)	CITIZ Norwa		IP OR PLACE OF ORGANIZATION						
NUMBER OF SHARES		(5)	SOLE VOTING POWER 0						
BENEFICIA OWNED BY	LLY	(6)	SHARED VOTING POWER 2,420,317						

EACH		(7)	SOLE DISPOSITIVE POWER 0		
REPORTING			0		
PERSON WIT	ГН	(8)	SHARED DISPOSITIVE POWER 2,420,317		
(9)		ACH R	AMOUNT BENEFICIALLY OWNED EPORTING PERSON		
(10)			IF THE AGGREGATE AMOUNT) EXCLUDES CERTAIN SHARES		[]
(11)			OF CLASS REPRESENTED 'IN ROW (9)		
(12)	TYPE IN	OF R	EPORTING PERSON		
Schedule 1	L3G/A			PAGE 10	of 18
CUSIP No.	13089)P101			
(1)		OR I	EPORTING PERSON .R.S. IDENTIFICATION NO. OF ABOVE PERSON Ott		
(2)	CHECP	K THE	APPROPRIATE BOX IF A MEMBER OF A GROUP	(a) (b)	[] [x]
(3)	SEC U	JSE C	NLY		
(4)	CITIZ Unite		IP OR PLACE OF ORGANIZATION ates		
NUMBER OF		(5)	SOLE VOTING POWER 0		
SHARES					
BENEFICIAI	ц Х	(6)	SHARED VOTING POWER 2,420,317		
EACH		(7)	SOLE DISPOSITIVE POWER		
REPORTING			0		
PERSON WI]	ГН	(8)	SHARED DISPOSITIVE POWER 2,420,317		

(9) AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 2,420,317 (10) CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES [] (11) PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 6.9% (12) TYPE OF REPORTING PERSON IN

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Schedule 13G/A

PAGE 11 of 18

CUSIP No. 13089P101

S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON Rose S. Shabet	(1)	NAME	OF	REPORTI	ING PERSON					
Rose S. Shabet		S.S.	OR	I.R.S.	IDENTIFICATION	NO.	OF	ABOVE	PERSON	
		Rose	s.	Shabet						

(2) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP

(a) [] (b) [x]

(3) SEC USE ONLY

(4)	CITIZEN	ISHIP	OR	PLACE	OF	ORGANIZATION
	United	State	es			

NUMBER OF	(5)	SOLE VOTING POWER 0		
SHARES		0		
BENEFICIALLY	(6)	SHARED VOTING POWER 2,420,317		
OWNED BY				
EACH	(7)	SOLE DISPOSITIVE POWER 0		
REPORTING		·		
PERSON WITH	(8)	SHARED DISPOSITIVE POWER 2,420,317		
BY E	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 2,420,317			
(10) CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES]	
()		F CLASS REPRESENTED IN ROW (9)		

6.9% (12) TYPE OF REPORTING PERSON IN

Schedule 13G/A PAGE 12 of 18 CUSIP No. 13089P101 ITEM 1(a). NAME OF ISSUER: Calithera Biosciences, Inc. ITEM 1(b). ADDRESS OF ISSUER'S PRINCIPAL EXECUTIVE OFFICES: 343 Oyster Point Blvd., Suite 200 South San Francisco, California 94080 ITEM 2(a). NAME OF PERSON FILING: Viking Global Investors LP ("VGI"), Viking Global Performance LLC ("VGP"), Viking Global Equities LP ("VGE"), Viking Global Equities II LP ("VGEII"), VGE III Portfolio Ltd. ("VGEIII"), Viking Long Fund GP LLC ("VLFGP"), Viking Long Fund Master Ltd. ("VLFM"), O. Andreas Halvorsen, David C. Ott and Rose S. Shabet (collectively, the "Reporting Persons") ITEM 2(b). ADDRESS OF PRINCIPAL OFFICE OR, IF NONE, RESIDENCE: The business address of each of the Reporting Persons is 55 Railroad Avenue, Greenwich, Connecticut 06830. ITEM 2(c). CITIZENSHIP: VGI, VGE and VGEII are Delaware limited partnerships; VGEIII and VLFM are Cayman Islands exempted companies; and VGP and VLFGP are Delaware limited liability companies. O. Andreas Halvorsen is a citizen of Norway. David C. Ott and Rose S. Shabet are citizens of the United States. ITEM 2(d). TITLE OF CLASS OF SECURITIES: Common stock, \$0.0001 par value per share ("Common Stock") ITEM 2(e). CUSIP NUMBER: 13089P101 IF THIS STATEMENT IS FILED PURSUANT TO 13d-1(b) OR 13d-2(b) OR (c), TTEM 3. CHECK WHETHER THE PERSON FILING IS A: Broker or dealer registered under Section 15 of the (a) [] Act. (b) [] Bank as defined in Section 3(a)(6) of the Act (c) [] Insurance Company as defined in Section 3(a)(19) of the Act Investment Company registered under Section 8 of the (d) [] Investment Company Act of 1940

(e) [] Investment Adviser registered under Section 203 of the

Investment Advisers Act of 1940: see Rule 13d-1(b)(1)(ii)(E)

(f) [] Employee Benefit Plan, Pension Fund which is subject to the provisions of the Employee Retirement Income Security Act of 1974 or Endowment Fund; see Rule 13d-1(b)(1)(ii)(F)

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Schedule 13G/A
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PAGE 13 of 18

CUSIP No. 13089P101

- (g) [] Parent Holding Company, in accordance with Rule 13d-1(b)(ii)(G)
- (h) [] Savings Associations as defined in Section 3(b) of the Federal Deposit Insurance Act
- (j) [] A non-U.S. institution in accordance with Rule 240.13d-1(b)(1)(ii)(J)
- (k) [] Group, in accordance with Rule 240.13d-1(b)(1)(ii)(K). If filing as a non-U.S. institution in accordance with Rule 240.13d-1(b)(1)(ii)(J), please specify the type of institution:

ITEM 4. OWNERSHIP.

- A. VGI
 - (a) Amount beneficially owned: 2,420,317
 - (b) Percent of class: 6.9%
 - (c) Number of shares as to which such person has:
 - (i) sole power to vote or to direct the vote 0
 - (ii) shared power to vote or to direct the vote
 2,420,317
 - (iii) sole power to dispose or to direct the disposition of $\ensuremath{\mathsf{0}}$
 - (iv) shared power to dispose or to direct the disposition
 of 2,420,317

VGI provides managerial services to VGE, VGEII, VGEIII and VLFM. VGI has the authority to dispose of and vote the shares of Common Stock.

Based on Rule 13d-3 of the Securities Exchange Act of 1934, as amended (the "Act"), VGI may be deemed to beneficially own the shares of Common Stock directly held by VGE, VGEII, VGEIII and VLFM. VGI does not directly own any shares of Common Stock.

PAGE 14 of 18

CUSIP No. 13089P101

VGP						
(a)	Amount beneficially owned: 1,638,671					
(b)	rcent of class: 4.6%					
(C)	Number of shares as to which such person has:					
	(i) sole power to vote or to direct the vote 0					
	(ii) shared power to vote or to direct the vote 1,638,671					
	(iii) sole power to dispose or to direct the disposition of 0					
	<pre>(iv) shared power to dispose or to direct the disposition of 1,638,671</pre>					
	VGP, as the general partner of VGE and VGEII, has the authority to dispose of and vote the shares of Common Stock directly owned by VGE and VGEII. VGP serves as investment manager to VGEIII and has the authority to dispose of and vote the shares of Common Stock directly owned by VGEIII. VGP does not directly own any shares of Common Stock.					
	Based on Rule 13d-3 of the Act, VGP may be deemed to beneficially own the shares of Common Stock directly held by VGE, VGEII and VGEIII.					
VLFGI						

- (a) Amount beneficially owned: 781,646
- (b) Percent of class: 2.2%
- (c) Number of shares as to which such person has:
 - (i) sole power to vote or to direct the vote
 0
 - (ii) shared power to vote or to direct the vote 781,646
 - (iii) sole power to dispose or to direct the disposition of $\boldsymbol{0}$
 - (iv) shared power to dispose or to direct the disposition of 781,646

VLFGP serves as the investment manager of VLFM and has the authority to dispose of and vote the shares of Common Stock directly owned by VLFM. VLFGP does not directly own any shares of Common Stock.

Based on Rule 13d-3 of the Act, VLFGP may be deemed to beneficially own the shares of Common Stock directly held by VLFM.

Schedule 13G/A

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С

PAGE 15 of 18

CUSIP No. 13089P101

- D. VGE
 - (a) Amount beneficially owned: 548,956
 - (b) Percent of class: 1.6%
 - (c) Number of shares as to which such person has:
 - (i) sole power to vote or to direct the vote
 0
 - (ii) shared power to vote or to direct the vote 548,956
 - (iii) sole power to dispose or to direct the disposition

of 0 (iv) shared power to dispose or to direct the disposition of 548,956

VGE has the authority to dispose of and vote the shares of Common Stock directly owned by it, which power may be exercised by its general partner, VGP, and by VGI, an affiliate of VGP, which provides managerial services to VGE.

- E. VGEII
 - (a) Amount beneficially owned: 32,773
 - (b) Percent of class: 0.1%
 - (c) Number of shares as to which such person has:
 - (i) sole power to vote or to direct the vote 0
 - (ii) shared power to vote or to direct the vote 32,773
 - (iii) sole power to dispose or to direct the disposition of $\boldsymbol{0}$
 - (iv) shared power to dispose or to direct the disposition of 32,773

VGEII has the authority to dispose of and vote the shares of Common Stock directly owned by it, which power may be exercised by its general partner, VGP, and by VGI, an affiliate of VGP, which provides managerial services to VGEII.

F. VGEIII

- (a) Amount beneficially owned: 1,056,942
- (b) Percent of class: 3.0%
- (c) Number of shares as to which such person has:
 - (i) sole power to vote or to direct the vote
 - (ii) shared power to vote or to direct the vote
 1,056,942
 - (iii) sole power to dispose or to direct the disposition of $\boldsymbol{0}$
 - (iv) shared power to dispose or to direct the disposition of 1,056,942

VGEIII has the authority to dispose of and vote the shares of Common Stock directly owned by it, which power may be exercised by its investment manager, VGP, and by VGI, an affiliate of VGP, which provides managerial services to VGEIII. Viking Global Equities III Ltd. (a Cayman Islands exempted company) invests substantially all of its assets through VGEIII.

G. VLFM

- (a) Amount beneficially owned: 781,646
- (b) Percent of class: 2.2%
- (c) Number of shares as to which such person has:
 - (i) sole power to vote or to direct the vote 0
 - (ii) shared power to vote or to direct the vote 781,646
 - (iii) sole power to dispose or to direct the disposition of $\boldsymbol{0}$
 - (iv) shared power to dispose or to direct the disposition of 781,646

VLFM has the authority to dispose of and vote the shares of Common Stock directly owned by it, which power may

be exercised by its investment manager, VLFGP, and by VGI, an affiliate of VLFGP, which provides managerial services to VLFM. Viking Long Fund LP (a Delaware limited partnership) and Viking Long Fund III Ltd. (a Cayman Islands exempted company), through its investment in Viking Long Fund Intermediate LP (a Cayman Islands limited partnership), invest substantially all of their assets through VLFM.

Schedule 13G/A

PAGE 16 of 18

CUSIP No. 13089P101

- H. O. Andreas Halvorsen, David C. Ott and Rose S. Shabet(a) Amount beneficially owned: 2,420,317
 - (b) Percent of class: 6.9%
 - (c) Number of shares as to which such person has:
 - (i) sole power to vote or to direct the vote 0
 - (ii) shared power to vote or to direct the vote 2,420,317
 - (iii) sole power to dispose or to direct the disposition of $\boldsymbol{0}$
 - (iv) shared power to dispose or to direct the disposition of 2,420,317

Rose S. Shabet was appointed as an Executive Committee Member of VGPL (as defined below), VGP, VLFGP and Opportunities GP as of July 1, 2017. Therefore, Ms. Shabet now beneficially owns the shares of Common Stock described herein.

Mr. Halvorsen, Mr. Ott and Ms. Shabet, as Executive Committee Members of Viking Global Partners LLC, general partner of VGI ("VGPL"), VGP and VLFGP, have shared authority to dispose of and vote the shares of Common Stock beneficially owned by VGI, VGP and VLFGP. None of Mr. Halvorsen, Mr. Ott and Ms. Shabet directly owns any shares of Common Stock.

Based on Rule 13d-3 of the Act, each may be deemed to beneficially own the shares of Common Stock directly held by VGE, VGE II, VGEIII and VLFM.

ITEM 5. OWNERSHIP OF FIVE PERCENT OR LESS OF A CLASS. If this statement is being filed to report the fact that as of the date hereof the Reporting Persons has ceased to be the beneficial owner of more than five percent of the class of securities, check the following.[X]

> Daniel S. Sundheim ceased serving as an Executive Committee Member of VGPL, VGP, VLFGP and Opportunities GP as of June 14, 2017. Therefore, Mr. Sundheim no longer beneficially owns any of the shares of Common Stock described herein.

- ITEM 6. OWNERSHIP OF MORE THAN FIVE PERCENT ON BEHALF OF ANOTHER PERSON. Yes, see Item 4.
- ITEM 7. IDENTIFICATION AND CLASSIFICATION OF THE SUBSIDIARY WHICH ACQUIRED THE SECURITY BEING REPORTED ON BY THE PARENT HOLDING COMPANY. Not applicable.

- ITEM 8. IDENTIFICATION AND CLASSIFICATION OF MEMBERS OF THE GROUP. Not applicable.
- ITEM 9. NOTICE OF DISSOLUTION OF GROUP. Not applicable.
- ITEM 10. CERTIFICATION. (if filing pursuant to Rule 13d-1(c))
 By signing below each Reporting Person certifies that, to the best
 of its knowledge and belief, the securities referred to above were not
 acquired and are not held for the purpose of or with the effect of
 changing or influencing the control of the issuer of the securities
 and were not acquired and not held in connection with or as a
 participant in any transaction having that purpose or effect.

Schedule 13G/A

PAGE 17 of 18

CUSIP No. 13089P101

SIGNATURES

After reasonable inquiry and to the best of our knowledge and belief, the undersigned certify that the information set forth in this statement is true, complete and correct.

DATED: July 10, 2017

/s/ O. ANDREAS HALVORSEN By: O. Andreas Halvorsen - individually and as an Executive Committee Member of VIKING GLOBAL PERFORMANCE LLC, on behalf of itself and VIKING GLOBAL EQUITIES LP, VIKING GLOBAL EQUITIES II LP and VGE III PORTFOLIO LTD., and as an Executive Committee Member of Viking Global Partners LLC, on behalf of VIKING GLOBAL INVESTORS LP, and as an Executive Committee Member of VIKING LONG FUND GP LLC, on behalf of itself and VIKING LONG FUND MASTER LTD.

/s/ DAVID C. OTT By: David C. Ott - individually and as an Executive Committee Member of VIKING GLOBAL PERFORMANCE LLC, on behalf of itself and VIKING GLOBAL EQUITIES LP, VIKING GLOBAL EQUITIES II LP and VGE III PORTFOLIO LTD., and as an Executive Committee Member of Viking Global Partners LLC, on behalf of VIKING GLOBAL INVESTORS LP, and as an Executive Committee Member of VIKING LONG FUND GP LLC, on behalf of itself and VIKING LONG FUND MASTER LTD.

/s/ ROSE S. SHABET
By: Rose S. Shabet - individually and
as an Executive Committee Member of
VIKING GLOBAL PERFORMANCE LLC, on behalf
of itself and VIKING GLOBAL EQUITIES LP,
VIKING GLOBAL EQUITIES II LP and VGE III PORTFOLIO LTD.,
and as an Executive Committee Member of
Viking Global Partners LLC, on behalf of

VIKING GLOBAL INVESTORS LP, and as an Executive Committee Member of VIKING LONG FUND GP LLC, on behalf of itself and VIKING LONG FUND MASTER LTD.

Schedule 13G/A

PAGE 18 of 18

CUSIP No. 13089P101

EXHIBIT A - JOINT FILING AGREEMENT

This joint filing agreement is made and entered into as of this 10th day of July, 2017, by and among Viking Global Investors LP, Viking Global Performance LLC, Viking Global Equities LP, Viking Global Equities II LP, VGE III Portfolio Ltd., Viking Long Fund GP LLC, Viking Long Fund Master Ltd., O. Andreas Halvorsen, David C. Ott and Rose S. Shabet.

The parties hereby agree to jointly prepare and file a Schedule 13G with respect to Calithera Biosciences, Inc., as well as any amendments thereto, pursuant to the Securities Exchange Act of 1934, as amended.

IN WITNESS WHEREOF, the parties hereto have executed this agreement as of the date first set forth above.

Dated: July 10, 2017

/s/ 0. ANDREAS HALVORSEN By: 0. Andreas Halvorsen - individually and as an Executive Committee Member of VIKING GLOBAL PERFORMANCE LLC, on behalf of itself and VIKING GLOBAL EQUITIES LP, VIKING GLOBAL EQUITIES II LP and VGE III PORTFOLIO LTD., and as an Executive Committee Member of Viking Global Partners LLC, on behalf of VIKING GLOBAL INVESTORS LP, and as an Executive Committee Member of VIKING LONG FUND GP LLC, on behalf of itself and VIKING LONG FUND MASTER LTD.

/s/ DAVID C. OTT By: David C. Ott - individually and as an Executive Committee Member of VIKING GLOBAL PERFORMANCE LLC, on behalf of itself and VIKING GLOBAL EQUITIES LP, VIKING GLOBAL EQUITIES II LP and VGE III PORTFOLIO LTD., and as an Executive Committee Member of Viking Global Partners LLC, on behalf of VIKING GLOBAL INVESTORS LP, and as an Executive Committee Member of VIKING LONG FUND GP LLC, on behalf of itself and VIKING LONG FUND MASTER LTD.

/s/ ROSE S. SHABET
By: Rose S. Shabet - individually and
as an Executive Committee Member of
VIKING GLOBAL PERFORMANCE LLC, on behalf
of itself and VIKING GLOBAL EQUITIES LP,
VIKING GLOBAL EQUITIES II LP and VGE III PORTFOLIO LTD.,
and as an Executive Committee Member of
Viking Global Partners LLC, on behalf of

VIKING GLOBAL INVESTORS LP, and as an Executive Committee Member of VIKING LONG FUND GP LLC, on behalf of itself and VIKING LONG FUND MASTER LTD.