Calithera Biosciences, Inc. Form SC 13G February 21, 2017

SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

Schedule 13G

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*

> Calithera Biosciences, Inc. (Name of Issuer)

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

> 13089P101 (CUSIP Number)

February 8, 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).

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CUSIP No. 13089P101

(1)	NAME	OF	REPORI	ΓIΝ	G PERSO	N					
	S.S.	OR	I.R.S.	I	DENTIFI	CATION	NO.	OF	ABOVE	PERSON	
	Vikir	ng (Global	In	vestors	LP					

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

(a) [] (b) [x]

(3) SEC USE ONLY

(4)	CITI2 Delav	-	IP OR PLACE OF ORGANIZATION		
NUMBER OF SHARES		(5)	SOLE VOTING POWER 0		
BENEFICIA: OWNED BY	LLY	(6)	SHARED VOTING POWER 1,607,936		
EACH REPORTING		(7)	SOLE DISPOSITIVE POWER 0		
PERSON WI	TH	(8)	SHARED DISPOSITIVE POWER 1,607,936		
(9)		ACH R	AMOUNT BENEFICIALLY OWNED EPORTING PERSON		
(10)	(10) CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES				
(11)			F CLASS REPRESENTED IN ROW (9)		
(12)	TYPE PN	OF R	EPORTING PERSON		
Schedule CUSIP No.)P101		PAGE 3	of 18
	NAME S.S.	OF R OR I	EPORTING PERSON .R.S. IDENTIFICATION NO. OF ABOVE PERSON obal Performance LLC		
(2)	(a) [[] [x]
(3)	SEC U	JSE O	NLY		
(4)	CITI2 Delaw		IP OR PLACE OF ORGANIZATION		
NUMBER OF		(5)	SOLE VOTING POWER 0		

			gairiinn	g. ountrolu	Biocolonio	, mo.		100	
BENEFICIAL	LY	(6)	<pre>(6) SHARED VOTING POWER 1,142,000</pre>						
OWNED BY									
EACH		(7)	7) SOLE DISPOSITIVE POWER 0						
REPORTING									
PERSON WIT	H	(8)	SHARED 1,142,	DISPOSITIV 000	E POWER				
]		CH RI		BENEFICIAI G PERSON	LY OWNED				
· · ·		BOX IF THE AGGREGATE AMOUNT W (9) EXCLUDES CERTAIN SHARES [[]				
(11) PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 5.5%									
· · · ·	TYPE 00	OF RI	EPORTIN	G PERSON					
Schedule 1 CUSIP No.	13089							PAGE 4	l of 18
	s.s.	OR I	.R.S. II	G PERSON DENTIFICATI uities LP	ON NO. OF	' ABOVE P	ERSON		
(2)	CHECK	THE	APPROPI	RIATE BOX I	F A MEMBE	CR OF A G	ROUP	(a) (b)	
(3)	SEC U	SE OI	NLY						
	CITIZ Delaw		IP OR P	LACE OF ORG	GANIZATION	I			
NUMBER OF		(5)	SOLE VO	OTING POWEF	ł				
SHARES					<u> </u>				
BENEFICIAL	LY	(6)	SHARED 388,28	VOTING POW 0	IER				
OWNED BY									
EACH (7) SOLE DISPOSITIVE POWER 0									
REPORTING									

(9) AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 388,280

(10)	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES []
(11)	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 1.9%
(12)	TYPE OF REPORTING PERSON PN

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CUSIP No. 13089P101

- (1) NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON Viking Global Equities II LP
- (2) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) [] (b) [x]

(3) SEC USE ONLY

()	CITIZE Delawa	-	IP OR PLACE OF ORGANIZATION	
NUMBER OF		(5)	SOLE VOTING POWER 0	
SHARES BENEFICIAL	- LY	• •	SHARED VOTING POWER 22,840	
OWNED BY EACH	_	(7)	SOLE DISPOSITIVE POWER 0	
REPORTING PERSON WIT	H	• •	SHARED DISPOSITIVE POWER 22,840	
		CH RE	AMOUNT BENEFICIALLY OWNED EPORTING PERSON	
(-)			IF THE AGGREGATE AMOUNT) EXCLUDES CERTAIN SHARES	[]
(),			F CLASS REPRESENTED IN ROW (9)	

(12) TYPE OF REPORTING PERSON PN

Schedule	PAGE 6	of 18			
CUSIP No.	13089	9P101			
(1)	S.S.	OR I	EPORTING PERSON .R.S. IDENTIFICATION NO. OF ABOVE PERSON ortfolio Ltd.		
(2)	CHECH	K THE	APPROPRIATE BOX IF A MEMBER OF A GROUP	(a) (b)	
(3)	SEC U	JSE C	NLY		
(4)			IP OR PLACE OF ORGANIZATION lands		
NUMBER OF		(5)	SOLE VOTING POWER 0		
SHARES BENEFICIA: OWNED BY	LLY	(6)	SHARED VOTING POWER 730,880		
EACH REPORTING		(7)	SOLE DISPOSITIVE POWER 0		
PERSON WI		(8)	SHARED DISPOSITIVE POWER 730,880		
(9)		ACH R	AMOUNT BENEFICIALLY OWNED EPORTING PERSON		
(10)			IF THE AGGREGATE AMOUNT) EXCLUDES CERTAIN SHARES		[]
(11)			F CLASS REPRESENTED IN ROW (9)		
(12)	TYPE CO	OF R	EPORTING PERSON		

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CUSIP No. 13089P101

(1) NAME OF REPORTING PERSON

Edgar Filing:	Calithera	Biosciences,	Inc	Form	SC	13G

S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON Viking Long Fund GP LLC

(2)	CHEC	K THE	APPROPRIATE BOX IF A MEMBER OF A GROUP	(a) (b)	[] [x]
(3)	SEC 1	USE C	NLY		
(4)	CITI		IP OR PLACE OF ORGANIZATION		
NUMBER OF		(5)	SOLE VOTING POWER 0		
BENEFICIA	LLY	(6)	SHARED VOTING POWER 465,936		
OWNED BY EACH		(7)	SOLE DISPOSITIVE POWER		
REPORTING PERSON WI		(8)	SHARED DISPOSITIVE POWER 465,936		
(9)		ACH R	AMOUNT BENEFICIALLY OWNED		
(10)			IF THE AGGREGATE AMOUNT) EXCLUDES CERTAIN SHARES		[]
(11)		MOUNT	OF CLASS REPRESENTED IN ROW (9)		
(12)	TYPE OO	OF R	EPORTING PERSON		
Schedule	13G			PAGE 8	of 18
CUSIP No.	1308	9P101			
(1)	S.S.	OR I	EPORTING PERSON .R.S. IDENTIFICATION NO. OF ABOVE PERSON ong Fund Master Ltd.		
(2)	CHECI	K THE	APPROPRIATE BOX IF A MEMBER OF A GROUP	(a) (b)	[] [x]

(3) SEC USE ONLY

(4) CITIZENSHIP OR PLACE OF ORGANIZATION

	Cayma	an Is	lands			
NUMBER OF SHARES		(5)	SOLE VOTING POWER O			
BENEFICIA	LLY	(6)	SHARED VOTING POWER 465,936			
OWNED BY EACH		(7)	SOLE DISPOSITIVE POWER 0			
REPORTING						
PERSON WITH (8) SHARED DISPOSITIVE POWER 465,936						
(9)		ACH R	AMOUNT BENEFICIALLY OWNED EPORTING PERSON			
(10) CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES						[]
(11) PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 2.2%						
(12)	TYPE OF REPORTING PERSON CO					
Schedule : CUSIP No.) 9101		PAGE	9 0:	f 18
(1)	s.s.	OR I	EPORTING PERSON .R.S. IDENTIFICATION NO. OF ABOVE PERSON s Halvorsen			
(2)	CHECP	K THE	APPROPRIATE BOX IF A MEMBER OF A GROUP		(a) (b)	[] [x]
(3)) SEC USE ONLY					
(4)	CITIZENSHIP OR PLACE OF ORGANIZATION Norway					
NUMBER OF SHARES		(5)	SOLE VOTING POWER 0			
BENEFICIAI OWNED BY	LLY	(6)	SHARED VOTING POWER 1,607,936			

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EACH		(7) SOLE DISPOSITIVE POWER 0					
REPORTING							
PERSON WIT	ГН	(8)	SHARED DISPOSITIVE POWER 1,607,936				
(9)		ACH R	AMOUNT BENEFICIALLY OWNED EPORTING PERSON				
(10)	.0) CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES				[]		
(11)			F CLASS REPRESENTED IN ROW (9)				
(12)	TYPE IN	OF R	EPORTING PERSON				
Schedule 1	13G			PAGE 10	of 18		
CUSIP No.	13089	9P101					
(1)		OR I	EPORTING PERSON .R.S. IDENTIFICATION NO. OF ABOVE PERSON Ott				
(2)) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP				[] [x]		
(3)	SEC U	JSE O	NLY				
(4)	CITIZ Unite		IP OR PLACE OF ORGANIZATION ates				
NUMBER OF SHARES		(5)	SOLE VOTING POWER 0				
BENEFICIAI OWNED BY	LLY	(6)	SHARED VOTING POWER 1,607,936				
EACH REPORTING		(7)	SOLE DISPOSITIVE POWER 0				
PERSON WIT	ГН	(8)	SHARED DISPOSITIVE POWER 1,607,936				

(9) AGGREGATE AMOUNT BENEFICIALLY OWNED

BY EACH REPORTING PERSON 1,607,936

(10)	CHECK BOX IF THE AGGREGATE AMOUNT			
	IN ROW (9) EXCLUDES CERTAIN SHARES		[]
(11)	PERCENT OF CLASS REPRESENTED			
	BY AMOUNT IN ROW (9)			
	7.8%			
(12)	TYPE OF REPORTING PERSON			
	IN			
Schedule	13G	PAGE 11	of	18
CUSIP No.	13089P101			
(1)	NAME OF REPORTING PERSON			
	S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON Daniel S. Sundheim			
	Daniel S. Sundneim			
(2)	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP			
(2)	CHECK THE METROPRETED DON TO A HERDER OF A GROOT	(a)	ſ	1
		(b)	[x	:]

(3) SEC USE ONLY

(4)	CITIZENSHIP	OR	PLACE	OF	ORGANIZATION
	United State	es			

NUMBER OF		(5)	SOLE VOTING POWER 0			
SHARES						
BENEFICIALLY		(6)	SHARED VOTING POWER 1,607,936			
OWNED BY						
EACH		(7)	SOLE DISPOSITIVE POWER 0			
REPORTING						
PERSON WITH		(8)	SHARED DISPOSITIVE POWER 1,607,936			
(9)	BY EA	GREGATE AMOUNT BENEFICIALLY OWNED EACH REPORTING PERSON 607,936				
(10)		CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES []				
(11)	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 7.8%					

(12) TYPE OF REPORTING PERSON IN

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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 Daniel S. Sundheim (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 Daniel S. Sundheim are citizens of the United States.						
ITEM 2(d).	TEM 2(d). TITLE OF CLASS OF SECURITIES: Common stock, \$0.0001 par value per share ("Common Stock")						
ITEM 2(e).	CUSIP NUMBER: 13089P101						
ITEM 3.	IF THIS STATEMENT IS FILED PURSUANT TO $13d-1(b)$ OR $13d-2(b)$ OR (c), CHECK WHETHER THE PERSON FILING IS A:						
((a) [] Broker or dealer registered under Section 15 of Act	the					
((b) [] Bank as defined in Section 3(a)(6) of the Act						
((c) [] Insurance Company as defined in Section 3(a)(19 the Act) of					
((d) [] Investment Company registered under Section 8 o Investment Company Act of 1940	of the					
((e) [] Investment Adviser registered under Section 203 Investment Advisers Act of 1940: see Rule 13d-	of the					

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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 - (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
 - (i) [] Church Plan that is excluded from the definition of an investment company under Section 3(c)(14) of the Investment Company Act of 1940
 - (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: 1,607,936
 - (b) Percent of class: 7.8%
 - (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
 1,607,936
 - (iii) sole power to dispose or to direct the disposition of $\boldsymbol{0}$
 - (iv) shared power to dispose or to direct the disposition of 1,607,936

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.

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B. VGP

- (a) Amount beneficially owned: 1,142,000
- (b) Percent of class: 5.5%
- (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
 1,142,000
 - (iii) sole power to dispose or to direct the disposition of $\boldsymbol{0}$
 - (iv) shared power to dispose or to direct the disposition of 1,142,000

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.

C. VLFGP

- (a) Amount beneficially owned: 465,936
- (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 465,936
 - (iii) sole power to dispose or to direct the disposition of $\boldsymbol{0}$
 - (iv) shared power to dispose or to direct the disposition of 465,936

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.

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- D. VGE
 - (a) Amount beneficially owned: 388,280
 - (b) Percent of class: 1.9%
 - (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 388,280
 - (iii) sole power to dispose or to direct the disposition of $\boldsymbol{0}$

(iv) shared power to dispose or to direct the disposition of 388,280

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: 22,840
 - (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
 - (ii) shared power to vote or to direct the vote 22,840
 - (iii) sole power to dispose or to direct the disposition of $\boldsymbol{0}$
 - (iv) shared power to dispose or to direct the disposition of 22,840

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: 730,880
 - (b) Percent of class: 3.5%
 - (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 730,880
 - (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 730,880

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: 465,936
 - (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 465,936
 - (iii) sole power to dispose or to direct the disposition of $\boldsymbol{0}$
 - (iv) shared power to dispose or to direct the disposition of 465,936

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.

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- H. O. Andreas Halvorsen, David C. Ott and Daniel S. Sundheim
 - (a) Amount beneficially owned: 1,607,936
 - (b) Percent of class: 7.8%
 - (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
 1,607,936
 - (iii) sole power to dispose or to direct the disposition of $\boldsymbol{0}$
 - (iv) shared power to dispose or to direct the disposition of 1,607,936

Messrs. Halvorsen, Ott and Sundheim, 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 Messrs. Halvorsen, Ott and Sundheim 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.[]
- 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.

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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: February 21, 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/ DANIEL S. SUNDHEIM By: Daniel S. Sundheim - 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.

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EXHIBIT A - JOINT FILING AGREEMENT

This joint filing agreement is made and entered into as of this 21st day of February, 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 Daniel S. Sundheim.

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: February 21, 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/ DANIEL S. SUNDHEIM
By: Daniel S. Sundheim - 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.