ALIMERA SCIENCES INC Form SC 13G/A April 05, 2012

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

SCHEDULE 13G

Under the Securities Exchange Act of 1934

(Amendment No. 1)

Alimera Sciences, Inc. (Name of Issuer)

Common Stock (Title of Class of Securities)

016259103 (CUSIP Number)

February 29, 2012 (Date of Event Which Requires Filing of this Statement)

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

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

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 control number.

I	Mi	ssing	Gran	hic	Refere	encel
ı	1411	عساوه	Orup	1110	TCTCT	

1.	Names	of Report	ing Persons
----	-------	-----------	-------------

William Leland Edwards

2. Check the Appropriate Box if a Member of a Group (See Instructions)

(a) (b) ___X___

- 3. SEC Use Only
- 4. Citizenship or Place of Organization U.S.A.

Number of 5. Sole Voting Power 0

Shares 6. Shared Voting Power 3,206,272

Beneficially 7. Sole Dispositive Power 0

Owned by 8. Shared Dispositive Power 3,206,272

Each

Reporting

Person

With:

- 9. Aggregate Amount Beneficially Owned by Each Reporting Person 3,206,272
 - 10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)
 - 11. Percent of Class Represented by Amount in Row (9) 10.2%
 - 12. Type of Reporting Person (See Instructions) IN, HC

[Missing	Grai	nhic	Reference]	ı
Livinssing	Ora	pine	Reference	ı

1.	Names of Reporting	Persons
----	--------------------	---------

Anthony Joonkyoo Yun, MD

2. Check the Appropriate Box if a Member of a Group (See Instructions)

(a) (b) ___X__

- 3. SEC Use Only
- 4. Citizenship or Place of Organization U.S.A.

Number of 5. Sole Voting Power 0

Shares 6. Shared Voting Power 3,206,272

Beneficially 7. Sole Dispositive Power 0

Owned by 8. Shared Dispositive Power 3,206,272

Each

Reporting

Person

With:

- 9. Aggregate Amount Beneficially Owned by Each Reporting Person 3,206,272
 - 10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)
 - 11. Percent of Class Represented by Amount in Row (9) 10.2%
 - 12. Type of Reporting Person (See Instructions) IN, HC

CUSIP	No.	01625	91	03
-------	-----	-------	----	----

[Missing	Grai	nhic	Reference]	ı
Livinssing	Ora	pine	Reference	ı

Missing Graphic Reference]
1. Names of Reporting Persons.
Palo Alto Investors, Inc.
2. Check the Appropriate Box if a Member of a Group (See Instructions)
(a)
(b)X
3. SEC Use Only
4. Citizenship or Place of Organization California Number of 5. Sole Voting Power 0 Shares 6. Shared Voting Power 3,206,272 Beneficially 7. Sole Dispositive Power 0 Owned by 8. Shared Dispositive Power 3,206,272 Bach Reporting Person With:
9. Aggregate Amount Beneficially Owned by Each Reporting Person 3,206,272
10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)
11. Percent of Class Represented by Amount in Row (9) 10.2%
12. Type of Reporting Person (See Instructions) CO, HC

I	Mi	ssing	Gran	hic	Refere	encel
ı	1411	عساوه	Orup	1110	TCTCT	

1. Names of Reporting Persons.

Palo Alto Investors, LLC

2. Check the Appropriate Box if a Member of a Group (See Instructions)

(a)

(b) ___X__

3. SEC Use Only

4. Citizenship or Place of Organization California

Number of 5. Sole Voting Power

Shares 6. Shared Voting Power 3,206,272

Beneficially 7. Sole Dispositive Power 0

Owned by 8. Shared Dispositive Power 3,206,272

Each

Reporting

Person

With:

- 9. Aggregate Amount Beneficially Owned by Each Reporting Person 3,206,272
- 10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)
 - 11. Percent of Class Represented by Amount in Row (9) 10.2%
 - 12. Type of Reporting Person (See Instructions) OO, IA

CUSIP No. 016259103

	1.	Palo Alto Healthcare M	laster Fund II, L.P.	
2.	Chec (a)	ck the Appropriate Box if	a Member of a Group (See Ins	tructions)
	(b)	X		
	3.	SEC Use	e Only	
4. Citizenship or Organization	Place of	Cayman Islands		
Number of 5.	Sole Voting Po	nwer	0	
Shares 6. Beneficially	Shared Voting		1,574,300	
Owned by 7.	Sole Dispositiv		0	
Each 8. Reporting Person With:	Shared Disposi	tive Power	1,574,300	
9.	Aggregate Amo	unt Beneficially Owned b	by Each Reporting Person	1,574,300
10. CI	heck if the Aggrega	nte Amount in Row (9) Ex	xcludes Certain Shares (See Ins	tructions)
11.Percent of Cl in Row (9)	lass Represented by	Amount 5.0%		
12. Type of Repo Instructions)	orting Person (See	PN		

Item 1.

- (a) Name of Issuer
- Alimera Sciences, Inc.
- (b) Address of Issuer's Principal Executive Offices

6120 Windward Parkway, Suite 290, Alpharetta, GA 30005

Item 2.

(a) The names of the persons filing this statement are:

Palo Alto Investors, LLC ("PAI LLC")

Palo Alto Investors, Inc. ("PAI Corp")

William Leland Edwards

Anthony Joonkyoo Yun, MD

Palo Alto Healthcare Master Fund II, L.P. ("Healthcare Master II") (collectively, the "Filers").

(b) The principal business office of the Filers is located at:

470 University Avenue, Palo Alto, CA 94301

- (c) For citizenship of Filers, see Item 4 of the cover sheet for each Filer.
- (d) This statement relates to shares of Common Stock of the Issuer (the "Stock").
 - (e) The CUSIP number of the Issuer is: 016259103

CUSIP No. 016259103

[Missing Graphic Reference	M	Мi	ssing	Gra	phic	Re	ference	•]
----------------------------	---	----	-------	-----	------	----	---------	----

Item 3.If this statement is filed pursuant to rule 240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a:
(a) [] Broker or dealer registered under section 15 of the Act (15 U.S.C. 78o).
(b) [] Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c).
(c) [] Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c).
(d) [] Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8).
(e) [x] An investment adviser in accordance with section 240.13d-1(b)(1)(ii)(E) (as to PAI).
(f) [] An employee benefit plan or endowment fund in accordance with section 240.13d-1(b)(1)(ii)(F).
(g) [x A parent holding company or control person in accordance with 240.13d-1(b)(1)(ii)(G) (as to Palo Alto Investors, Mr. Edwards and Dr. Yun).
(h) [] A savings association as defined in section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813).
(i) [A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3).
(j) [] A non-U.S. institution in accordance with §240.13d-1(b)(ii)(J).
(k) [] Group, in accordance with Rule 13d-1(b)(1)(ii)(K).
If filing as a non-U.S. institution in accordance with §240.13d-1(b)(1)(ii)(J), please specify the type of institution
Item 4. Ownership.
See Items 5-9 and 11 of the cover page for each Filer.
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 person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following [].

CUSIP No. 016259103

Item 6. Ownership of More than Five Percent on Behalf of Another Person.

PAI LLC is a registered investment adviser and is the general partner and investment adviser of Healthcare Master II and other investment limited partnerships, and is the investment adviser to other investment funds. PAI LLC's clients have the right to receive or the power to direct the receipt of dividends from, or the proceeds from the sale of, the Stock. No individual client, other than Healthcare Master II, separately holds more than five percent of the outstanding Stock.

Item Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the 7. Parent Holding Company.

Not applicable.

Item 8. Identification and Classification of Members of the Group.

PAI Corp is the manager of PAI LLC. Mr. Edwards is the controlling shareholder of PAI Corp. Dr. Yun is the President of PAI LLC and PAI Corp. The Filers are filing this Schedule 13G jointly, but not as members of a group, and each of them expressly disclaims membership in a group. Each Filer disclaims beneficial ownership of the Stock except to the extent of that Filer's pecuniary interest therein. In addition, the filing of this Schedule 13G on behalf of Healthcare Master II should not be construed as an admission that it is a member of a group, and it disclaims that it is a beneficial owner, as defined in Rule 13d-3 under the Securities Exchange Act of 1934, of any of the Stock covered by this Schedule 13G.

Item 9. Notice of Dissolution of Group

Not applicable.

Item 10. Certification.

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and 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 are not held in connection with or as a participant in any transaction having that purpose or effect.

Certification of Healthcare Master II:

By signing below I certify that, to the best of my 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 are not held in connection with or as a participant in any transaction having that purpose or effect.

Exhibits.

Exhibit A Joint Filing Agreement.

CUSIP No. 016259103

Dated: April 5, 2012

SIGNATURE

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

PALO ALTO INVESTORS, INC.	PALO ALTO INVESTORS, LLC
	By: Palo Alto Investors, LLC, Manager
By: /s/ Mark Shamia Mark Shamia, Chief Operating Officer	_ By: /s/ Mark Shamia
	Mark Shamia, Chief Operating Officer
PALO ALTO HEALTHCARE MASTER FUND II, L.P.	
By:Palo Alto Investors, LLC, General Partner	
By:Palo Alto Investors, Manager	
By: /s/ Mark Shamia	
Mark Shamia, Chief Operating Officer	
	/s/ Anthony Joonkyoo Yun
/s/ William Leland Edwards	Anthony Joonkyoo Yun, MD
William I eland Edwards	

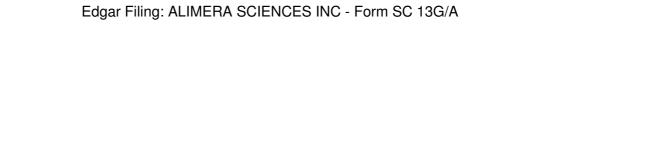


EXHIBIT A AGREEMENT REGARDING JOINT FILING OF STATEMENT ON SCHEDULE 13D OR 13G

The undersigned agree to file jointly with the Securities and Exchange Commission (the "SEC") any and all statements on Schedule 13D or Schedule 13G (and any amendments or supplements thereto) required under section 13(d) of the Securities Exchange Act of 1934, as amended, in connection with purchases and sales by the undersigned of the securities of any issuer until such time as the undersigned file with the SEC a statement terminating this Agreement Regarding Joint Filing of Statement on Schedule 13D or 13G. For that purpose, the undersigned hereby constitute and appoint Palo Alto Investors, LLC, a California limited liability company, as their true and lawful agent and attorney-in-fact, with full power and authority for and on behalf of the undersigned to prepare or cause to be prepared, sign, file with the SEC and furnish to any other person all certificates, instruments, agreements and documents necessary to comply with section 13(d) and section 16(a) of the Securities Exchange Act of 1934, as amended, in connection with said purchases and sales, and to do and perform every act necessary and proper to be done incident to the exercise of the foregoing power, as fully as the undersigned might or could do if personally present, until such time as the undersigned file with the SEC a statement terminating this Agreement Regarding Joint Filing of Statement on Schedule 13D or 13G.

Dated: April 5, 2012 PALO ALTO INVESTORS, INC. PALO ALTO INVESTORS, LLC By: Palo Alto Investors, LLC, Manager By: /s/ Mark Shamia /s/ Mark Shamia By: Mark Shamia, Chief Operating Officer Mark Shamia, Chief Operating Officer PALO ALTO HEALTHCARE MASTER FUND II, L.P. By: Palo Alto Investors, LLC, General Partner By: Palo Alto Investors, Manager By: /s/ Mark Shamia Mark Shamia, Chief Operating Officer /s/ Anthony Joonkyoo Yun /s/ William Leland Edwards Anthony Joonkyoo Yun, MD

William Leland Edwards