SIGNALIFE, INC. Form SC 13G September 25, 2006

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

SCHEDULE 13G

Under the Securities Exchange Act of 1934 (Amendment No. _____)*

SIGNALIFE, INC.

(Name of Issuer)

Common Stock

(Title of Class of Securities)

82669P104

(CUSIP Number)

September 20, 2006

(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)

[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).

SEC 1745 (01-06) 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.

CUSIP No. 82669P104

1.	Names of Reporting Persons. I.R.S. Identification Nos. of above persons (entities only). Gruber and McBaine Capital Management, LLC.	
2.	Check the Appropriate Box if a Member of a Group (See Instruction (a) X (b)	15)
3.	SEC Use Only	
4.	Citizenship or Place of Organization California	
Number of Shares	5.	Sole Voting Power 0
Beneficially Owned by Each Reporting Person With	6. urities Exchange Act of 1934(Amendment No)*	Shared Voting

			Power 3,094,750		
		7.	Sole Dispositive Power 0		
		8.	Shared Dispositive Power 3,094,750		
	Aggregate A	mount Beneficially Owned by Each Reportin	g Person 3,094,750		
0.		Aggregate Amount in Row (9) Excludes Cert	ain Shares (See		
11.	Percent of Cl	ass Represented by Amount in Row (9) 7.91	%		
12.	Type of Reporting Person (See Instructions) IA & OO				
No. 82	2669P104 1.	Names of Reporting Persons. I.R.S. Identification Nos. of above per Jon D. Gruber	rsons (entities only).		
	2.	Check the Appropriate Box if a Mem Instructions)	ber of a Group (See		
		(a) X (b)			
	3.	SEC Use Only			

United States

Number of Shares Beneficially Owned by	 Sole Voting Power 293,950 Shared Voting Power 3,094,750
Each Reporting Person With	7. Sole Dispositive Power 293,950
	8. Shared Dispositive Power 3,094,750
9.	Aggregate Amount Beneficially Owned by Each Reporting Person 3,388,700
10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)
11.	Percent of Class Represented by Amount in Row (9) 8.66%
12.	Type of Reporting Person (See Instructions) IN
CUSIP No. 82669P104	
1.	Names of Reporting Persons. I.R.S. Identification Nos. of above persons (entities only). J. Patterson McBaine
2.	Check the Appropriate Box if a Member of a Group (See Instructions) (a) X (b)

	3.	Edgar Filing: SIGNA SEC Use Only		C Form SC 13G	
	4.	Citizenship or Place of Organization United States			
Number of Shares			5.	Sole Voting Power 299,050	
Beneficially Owned by Each Reporting			6.	Shared Voting Power 3,094,750	
Person With			7.	Sole Dispositive Power 299,050	
			8.	Shared Dispositive Power 3,094,750	
	9.	Aggregate Amou 3,393,800	unt Benefici	ially Owned by Each Reporting Person	
	10.		Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)		
	11.	Percent of Class Represented by Amount in Row (9) 8.67%			
	12.	Type of Reportin	ng Person (S	See Instructions) IN	
CUSIP No. 82669	₽104				
	1.	Names of Report I.R.S. Identificat Eric B. Swergol	tion Nos. of	s. above persons (entities only).	

		Edgar Filing: SIG	NALIFE, INC	C Form SC 13G	
		Check the App Instructions)	propriate Box	if a Member of a Group (See	
		(a)	Х		
		(b)			
	3.	SEC Use Only			
		Citizenship or	Place of Orga	nization	
	4.	United States			
Number of Shares			5.	Sole Voting Power 0	
Beneficially Owned by Each Reporting Person With			6.	Shared Voting Power 3,094,750	
Person with			7.	Sole Dispositive Power 0	
			8.	Shared Dispositive Power 3,094,750	
		Aggregate Amount Beneficially Owned by Each Reporting Person			
	9.	3,094,750			
	10.		Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)		
	11.	Percent of Clas	Percent of Class Represented by Amount in Row (9) 7.91%		
	12.	Type of Repor	Type of Reporting Person (See Instructions) IN		

	1.	Names of Report I.R.S. Identificati Lagunitas Partr	tion Nos. of a	bove persons (entities only).	_
	2.	Check the Appro Instructions) (a) (b)	opriate Box if X	f a Member of a Group (See	
	3.	SEC Use Only			
	4.	Citizenship or Pl United States	lace of Organ	ization	-
Number of Shares			5.	Sole Voting Power 0	_
Beneficially Owned by Each Reporting Person With			6.	Shared Voting Power 1,993,850	_
			7.	Sole Dispositive Power 0	-
			8.	Shared Dispositive Power 1,993,850	
	9.	Aggregate Amou Person 1,993,850	unt Beneficia	lly Owned by Each Reporting	-
	10.	Check if the Agg Shares (See Instr	gregate Amou ructions)	unt in Row (9) Excludes Certain	•

	11.	Percent of Class Represented by Amount in Row (9) 5.10%
	12.	Type of Reporting Person (See Instructions) PN
Item 1.		
	(a)	Name of Issuer: SIGNALIFE, INC.
		Address of Issuer's Principal Executive Offices:
	(b)	531 South Main Street, Suite 301
		Greenville, South Carolina 29601
Item 2.		
		Name of Person Filing:
		Gruber & McBaine Capital Management, LLC ("GMCM")
	(a)	Jon D. Gruber ("Gruber")
		J. Patterson McBaine ("McBaine")
		Eric Swergold ("Swergold")
		Lagunitas Partners ("Lagunitas")
		Address of Principal Business Office or, if none, Residence:
	(b)	50 Osgood Place, Penthouse, San Francisco, CA 94133
	(c)	Citizenship: See item 4 of cover sheet.
	(d)	Title of Class of Securities: Common Stock
	(e)	CUSIP Number: 82669P104
Item 3.		ement is filed pursuant to 240.13d-1(b) or 240.13d-2(b) or (c), ether the person filing is a:
	(a)	[]

Broker or dealer registered under section 15 of the Act (15 U.S.C. 780).

(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 240.13d-1(b)(1)(ii)(E);
(f)	[]	An employee benefit plan or endowment fund in accordance with 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);
(h)	[]	A savings associations 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)	[x]	Group, in accordance with 240.13d-1(b)(1)(ii)(J).

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 [].

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

GMCM is a registered investment advisor whose 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. Gruber & McBaine are the Managers, controlling persons and portfolio managers of GMCM. No individual clients holdings of the Stock are more than five percent of the outstanding Stock. Lagunitas is an investment limited partnerships of which GMCM is the general partner.

50 Osgood Place, Penthouse, San Francisco, CA 94133

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

Not Applicable

Item 8. Identification and Classification of Members of the Group

GMCM, Gruber, McBaine and Swergold constitute a group within the meaning of Rule 13d-5(b). Lagunitas is not a member of any group and disclaims beneficial ownership of the securities with respect to its ownership is reposited.

Item 9.	Notice of Dissolution of Group		
Not Applicable			
Item 10.	Certification		
	(a)	The following certification shall be included with respect to GMCM:	
		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.	
	(b)	The following certification shall be included with respect to Lagunitas, Gruber, McBaine and Swergold: 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.

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.

Dated: September 22, 2006

Gruber & McBaine Capital Management, LLC

By: /s/ J. Patterson McBaine

Title: Manager

/s/ Jon D. Gruber

Jon D. Gruber

/s/ J. Patterson McBaine

J. Patterson McBaine

/s/ Eric B. Swergold

Eric B. Swergold

Attention: Intentional misstatements or omissions of fact constitute Federal criminal violations (See 18 U.S.C. 1001)