Alliqua BioMedical, Inc. Form SC 13G February 12, 2016

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

SCHEDULE 13G

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

Alliqua BioMedical, Inc.

(Name of Issuer)

Common Stock

(Title of Class of Securities)

019621101

(CUSIP Number)

December 31, 2015

(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)
- o Rule 13d-1(c)
- o Rule 13d-1(d)

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).

^{*}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.

CUSIP No.

1.	Names of Reporting Persons Tekla Capital Management LLC				
2.	Check the Appropriate Box if a (a) (b)	Member of a Group (See In o	structions)		
3.	SEC Use Only				
4.	Citizenship or Place of Organization Delaware				
	5.		Sole Voting Power 0		
Number of Shares Beneficially Owned by	6.		Shared Voting Power 1,650,000		
Each Reporting Person With	7.		Sole Dispositive Power 1,650,000		
	8.		Shared Dispositive Power 0		
9.	Aggregate Amount Beneficially Owned by Each Reporting Person 1,650,000				
10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) o				
11.	Percent of Class Represented by Amount in Row (9) 6.0%				
12.	Type of Reporting Person (See Instructions) IN				

CUSIP No.

1.	Names of Reporting Persons Daniel R. Omstead			
2.	Check the Appropriate Box if a (a) (b)	a Member of a Group (See I o o	instructions)	
3.	SEC Use Only			
4.	Citizenship or Place of Organization Delaware			
Number of	5.		Sole Voting Power 0	
Number of Shares Beneficially Owned by Each Reporting Person With	6.		Shared Voting Power 1,650,000	
	7.		Sole Dispositive Power 1,650,000	
	8.		Shared Dispositive Power 0	
9.	Aggregate Amount Beneficially Owned by Each Reporting Person 1,650,000			
10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) o			
11.	Percent of Class Represented by Amount in Row (9) 6.0%			
12.	Type of Reporting Person (See IN	Instructions)		

3

Item 1.				
	(a)	Name of Issuer		
		Alliqua BioMedical, Inc.		
	(b)	Address of Issuer s Principal Executive Offices		
		2150 Cabot Blvd West, L	anghorne, PA 19047	
T. A				
Item 2.	()	NI CD E'I'		
	(a)	Name of Person Filing		
		Tekla Capital Managemen		
	(b)	Address of Principal Business Office or, if none, Residence		
		100 Federal Street, 19th Floor, Boston, MA 02110		
	(c)	Citizenship		
	(1)	Delaware Corporation		
	(d)	Title of Class of Securities		
	(a)	Common Stock CUSIP Number		
	(e)	019621101		
		019021101		
Item 3.	If this statement	is filed nursuant to 88240.1	13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a:	
2002	(a)	0	Broker or dealer registered under section 15 of the Act (15 U.S.C. 780);	
	(b)	0	Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c);	
	(c)	O	Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c);	
	(d)	O	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)	o	An employee benefit plan or endowment fund in accordance with	
			§240.13d-1(b)(1)(ii)(F);	
	(g)	o	A parent holding company or control person in accordance with	
			§240.13d-1(b)(1)(ii)(G);	
	(h)	O	A savings association as defined in Section 3(b) of the Federal Deposit	
			Insurance Act (12 U.S.C. 1813);	
	(i)	О	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.	
	dis.		80a-3);	
	(j)	O	A non-U.S. institution in accordance with § 240.13d 1(b)(1)(ii)(J);	
	4.5		Group, in accordance with § 240.13d 1(b)(1)(ii)(K). If filing as a non-U.S.	
	(k)	0	institution in accordance with § 240.13d 1(b)(1)(ii)(J), please specify the type	
			of institution:	

Item 4. Ownership

Provide the following information regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1.

(a) Amount beneficially owned:

1.650,000

(b) Percent of class:

1,650,000

(c) Number of shares as to which the person has:

(i) Sole power to vote or to direct the vote

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(ii) Shared power to vote or to direct the vote

1,650,000

(iii) Sole power to dispose or to direct the disposition of

1,650,000

(iv) Shared power to dispose or to direct the disposition of

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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 o.

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

Two persons have the right to receive or the power to direct the receipt of dividends from, or the proceeds from the sale of, the Common Stock of Alliqua BioMedical, Inc. The interest of Tekla Healthcare Investors, an investment company registered under the Investment Company Act of 1940, in the Common Stock of Alliqua BioMedical, Inc. amounted to 1,155,000 shares or 4.2% of the total outstanding Common Stock at December 31, 2015. The interest of Tekla Life Sciences Investors, an investment company registered under the Investment Company Act of 1940, in the Common Stock of Alliqua BioMedical, Inc. amounted to 495,000 shares or 1.8% of the total outstanding Common Stock at December 31, 2015.

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

See attached Exhibit A.

Item 8. Identification and Classification of Members of the Group

Not applicable.

Item 9. Notice of Dissolution of Group

N/A

5

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.

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.

February 12, 2015 Date

/s/ Laura Woodward Signature

Laura Woodward, Treasurer Name/Title

Exhibit A

Tekla Capital Management LLC (TCM), an investment adviser registered pursuant to Section 203 of the Investment Advisers Act of 1940, is the beneficial owner of 1,650,000 shares (or 6.0%) of the Common Stock of Alliqua BioMedical, Inc. (the Company) as a result of acting as investment adviser to Tekla Healthcare Investors (HQH) affækla Life Sciences Investors (HQL), each of which is registered as an investment company pursuant to Section 8 of the Investment Company Act of 1940. Each of TCM and Daniel R. Omstead, through his control of TCM, has sole power to dispose of the 1,650,000 shares beneficially owned by HQH and HQL. Neither TCM nor Daniel R. Omstead has the sole power to vote or direct the vote of the shares beneficially owned by HQH and HQL, which power resides in each fund s Board of Trustees. TCM carries out the voting of the shares under written guidelines established by each fund s Board of Trustees.