

# FORM 4

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

OMB APPROVAL	
OMB Number:	3235-0287
Estimated average burden hours per response...	0.5

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person * WAGNER MARK T		2. Issuer Name and Ticker or Trading Symbol Alliqua BioMedical, Inc. [ALQA]		5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director <input type="checkbox"/> 10% Owner Officer (give title below) Other (specify below)	
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) 03/16/2016		
C/O ALLIQUA BIOMEDICAL, INC., 1010 STONY HILL ROAD					
(Street)			4. If Amendment, Date Original Filed(Month/Day/Year)		6. Individual or Joint/Group Filing(Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person
YARDLEY, PA 19067					
(City) (State) (Zip)			<b>Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned</b>		

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	03/16/2016		J	(1)(2)	73,893	A	\$ 2.61 (3)	247,926	I	By 2003 Revocable Trust of Mark Wagner

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

Persons who 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. SEC 1474 (9-02)

**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of Derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V		Date Exercisable	Expiration Date					

### Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
WAGNER MARK T C/O ALLIQUA BIOMEDICAL, INC. 1010 STONY HILL ROAD YARDLEY, PA 19067	X			

### Signatures

/s/ Mark Wagner	05/20/2016
<small>Signature of Reporting Person</small>	<small>Date</small>

### Explanation of Responses:

\* If the form is filed by more than one reporting person, see Instruction 4(b)(v).

\*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

The reported shares are owned directly by 2003 Revocable Trust of Mark Wagner dated April 23, 2003 (the "Wagner Trust"). Mark Wagner is the trustee and deemed to have a pecuniary interest in, and therefore to be the beneficial owner of, the shares held by the Wagner Trust. On March 16, 2016, the Wagner Trust became entitled to receive 73,893 shares of the Issuer's common stock pursuant to an earn-out provision in the merger agreement pursuant to which the Issuer acquired all outstanding equity interest of Celleration, Inc. ("Celleration") on May 29, 2015.

- (1) The merger agreement provided that the equity holders of Celleration would receive additional shares of the Issuer's common stock, for no addition consideration, if Celleration's revenue exceeded the revenue target for the fiscal year ending December 31, 2015, as set forth in the merger agreement. Celleration's revenue exceeded the revenue target for 2015, as a result of which Celleration's former equity holders, including the Wagner Trust, acquired additional shares, as determined on March 16, 2016 pursuant to the formula set forth in the merger agreement.
- (2) For purposes of determining the number of shares issuable pursuant to the earn-out right, the formula set forth in the merger agreement provided that the Issuer's common stock would be valued at \$2.61, based on the 45 trading day volume weighted average price as of the trading day prior to December 31, 2015.
- (3)

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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 number.