FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington,

D.C. 20549	OMB APPROVAL

	OMB Number:	3235-0287
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	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

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

1. Name and Address of Reporting Person*				2. Issuer Name and Ticker or Trading Symbol YIELD10 BIOSCIENCE, INC. [YTEN]							5. Relationship of Reporting Person(s) to Issuer (Check all applicable)					
SHAULSON JOSEPH H									-	2	X Directo	r	10% O	vner		
					3. Date of Earliest Transaction (Month/Day/Year)							Officer below)	(give title	Other (s	specify	
C/O YIELD10 BIOSCIENCE, INC.					03/29/2018											
19 PRESIDENTIAL WAY				4. If Amendment, Date of Original Filed (Month/Day/Year)							6. Individual or Joint/Group Filing (Check Applicable					
(Street)											Line	,	led by One Re	acrtina Dorco	_	
WOBUR	RN M	A	01801									_	led by More th	Ü		
(City)	(S	tate)	(Zip)									. Green				
		Tal	ole I - Non-	Deriva	tive S	ecurities	Ac	quired, Di	sposed o	f, or Ber	neficiall	y Owned				
1. Title of Security (Instr. 3) 2. Transac Date (Month/Da				Execution Da		Date,	3. Transactio Code (Inst 8)	n Disposed	l. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4 Disposed Of (D) (Instr. 3, 4			es Form ally (D) o Following (I) (II	n: Direct or Indirect nstr. 4)	7. Nature of Indirect Beneficial Ownership		
				Code V				Amount	(A) or (D)	Price	Reported Transact (Instr. 3 a	ion(s)		(Instr. 4)		
	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	se (Month/Day/Year) if any (Month/Day/Year		Code (Instr.				6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)	
				Cod	de V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		Transaction(s (Instr. 4)			
Stock Option (right to buy)	\$1.95	03/29/2018		A		4,733 ⁽¹⁾		03/29/2018	03/29/2028	Common Stock	4,733	\$1.58	4,733	D		

Explanation of Responses:

1. These options were issued to the Reporting Person pursuant to the Issuer's Director Compensation Policy in lieu of \$7,500 of cash compensation for services rendered to the Issuer as a member of its Board of Directors and/or a committee thereof during the first quarter of 2018.

/s/ Megan N. Gates, attorney-

04/02/2018

in-fact

** Signature of Reporting Person

Date

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

- * 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).

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

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 Number.