FORM 4

## **UNITED STATES SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

STATEMENT	<b>OF CHANGES</b>	IN BENEFICIAL	<b>OWNERSHIP</b>

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

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

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*  SHAULSON JOSEPH H				2. Issuer Name <b>and</b> Ticker or Trading Symbol YIELD10 BIOSCIENCE, INC. [ YTEN ]						ck all applica	,	on(s) to Issu 10% Ow			
(Last) (First) (Middle) C/O YIELD10 BIOSCIENCE, INC.					3. Date of Earliest Transaction (Month/Day/Year) 05/23/2018						Officer ( below)	give title	Other (s below)	pecify	
19 PRESIDENTIAL WAY				4.	4. If Amendment, Date of Original Filed (Month/Day/Year)						6. Individual or Joint/Group Filing (Check Applicable Line)				
(Street)	RN M	ΙA	01801								X	Form fil	ed by One Repo	Ü	
(City)	(S	tate)	(Zip)												
	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned														
1. Title of Security (Instr. 3)  2. Transac Date (Month/Da			e	Execution Date,		3. 4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4) (B) (S) (C) (C) (C) (C) (C) (C) (C) (C) (C) (C			5. Amoun Securities Beneficia Owned Fo	s Form Illy (D) or ollowing (I) (In	n: Direct   I r Indirect   I str. 4)   (	7. Nature of Indirect Beneficial Ownership (Instr. 4)			
				Code V Amount (A) or (D)			Price	Transacti	Transaction(s) (Instr. 3 and 4)		11301. 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)	Conversion Date Execut or Exercise (Month/Day/Year) if any		3A. Deemed Execution Date, if any (Month/Day/Year	Transaction 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 Transaction(s)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		(Instr. 4)		
Stock Option (right to buy)	\$1.65	05/23/2018		A		10,000(1)		(2)	05/23/2028	Common Stock	10,000	\$0	10,000	D	

## **Explanation of Responses:**

- 1. These options were issued to the Reporting Person as the annual option grant to non-employee directors pursuant to the Issuer's Director Compensation Policy for services to be rendered to the Issuer as a member of its Board of Directors and/or a committee thereof.
- 2. These options will vest and become exercisable in equal quarterly installments over 4 years from 5/23/18, beginning on 8/23/2018 and ending on 5/23/2022.

/s/ Megan N. Gates, attorney-infact 05/25/2018

\*\* 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.