FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549	
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	PROVAL
OMB Number:	3235-0287

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP Estimated average burden hours per response:

	Check this box if no longer subject to
\Box	Section 16. Form 4 or Form 5
\cup	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 and Ticker or Trading Symbol YIELD10 BIOSCIENCE, INC. [YTEN]						5. Relationship of Reporting Person(s) to Issuer (Check all applicable)						
<u>SHAUI</u>	LSON JO	SEPH H		-						•		C Director	r	10% C	wner		
(Last) (First) (Middle)					3. Date of Earliest Transaction (Month/Day/Year) 09/30/2019					\dashv	Officer below)	(give title	Other below)	(specify			
C/O YIELD10 BIOSCIENCE, INC.					9/30/2	.019											
19 PRES	SIDENTIAL	WAY		\vdash													
				4.	If Ame	endment, Da	ate of	Original File	d (Month/Day	/Year)	6. In Line		oint/Group F	iling (Check Ap	plicable		
(Street)											- 1		led by One F	Reporting Perso	on		
WOBUR	RN M	ΙA	01801									Form fi	led by More	than One Repo	ortina		
,				— I								Person		·	•		
(City)	(S	tate)	(Zip)														
		Ta	ble I - Non-D	Derivativ	ve Se	curities	Acc	juired, Di	sposed o	f, or Ben	eficiall	y Owned					
Date				Transaction ate onth/Day/	Execution Date		n Date, Transaction Code (Instr.		n Disposed			5. Amour Securities Beneficia Owned F	es For ally (D) Following (I) (6. Ownership Form: Direct D) or Indirect I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership		
								Code V	Amount	(A) or (D)	Price	Reported Transacti (Instr. 3 a	ion(s)		(Instr. 4)		
			Table II - De (e.						posed of, convertib			Owned					
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/Yea	Code (nsaction Derivative E		Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3,		6. Date Exercisable and Expiration Date (Month/Day/Year) 7. Title and A of Securities Underlying Derivative St (Instr. 3 and A			ies g Security	8. Price of Derivative Security (Instr. 5)	derivative Securities Beneficially Owned Following Reported	Ownershi Form: Direct (D) or Indirec (I) (Instr. 4	Beneficial Ownershi t (Instr. 4)	
						Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		Transactior (Instr. 4)	n(s)	
Stock Option (right to	\$0.5	09/30/2019		A		16,297 ⁽¹⁾		09/30/2019	09/30/2029	Common Stock	16,297	\$0.46	16,297	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 third quarter of 2019.

/s/ Megan N. Gates, attorney-infact ** 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.