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

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 ar		2. Issuer Name and Ticker or Trading Symbol YIELD10 BIOSCIENCE, INC. [YTEN]								5. Relationship of Reporting Person(s) to Issuer (Check all applicable)									
KELLOGG PETER N						TIELDIO DIOSCIENCE, INC. [ YIEN ]							X	X Director			10% Owner		
(Last) (First) (Middle) C/O YIELD10 BIOSCIENCE, INC.						3. Date of Earliest Transaction (Month/Day/Year) 06/29/2018								Officer (give title below)  Other (s below)				pecify	
19 PRESIDENTIAL WAY						A 16 Amondon and Pode of Ocioinal Filled (Month ID)								C. Individual or InitatiOvaria Filips (Charle A - 1) - 1-1-					
						4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Individual or Joint/Group Filing (Check Applicable Line)					
(Street) WOBURN MA 01801			01801											X Form filed by One Reporting Person  Form filed by More than One Reporting Person					
(City)	(S	tate)	(Zip)			Feisuil													
		Tak	ole I - Non	-Deriv	vativ	e Se	curities	Acq	uired, Di	sposed (	of, or Be	nefici	ally Ov	/ned					
1. Title of Security (Instr. 3)  2. Transac Date (Month/Date)						ear)	2A. Deemed Execution Date, if any (Month/Day/Year)		Transaction Dispos Code (Instr. 5)		ities Acquired (A) or d Of (D) (Instr. 3, 4 a				s Illy ollowing	6. Owne Form: D (D) or Ir (I) (Insti	Direct Ir ndirect B r. 4) O	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
									Code V	Amount	(A) o (D)	r Pric	_ Tra	ansacti	ed ction(s) and 4)		"	nstr. 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	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)		4. Transaction Code (Instr. 8)				6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		Deriv Secu (Inst	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s)	y C	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	Amou or Numb of Share	er		(Instr. 4)	11(5)			
Stock Option (right to buy)	\$1.41	06/29/2018			A		3,583 <sup>(1)</sup>		06/29/2018	06/29/2028	Common	3,58	3 \$1	.31	3,583		D		

## **Explanation of Responses:**

1. These options were issued to the Reporting Person pursuant to the Issuer's Director Compensation Policy in lieu of \$4,687 of cash compensation for services rendered to the Issuer as a member of its Board of Directors and/or a committee thereof during the second quarter of 2018.

/s/ Megan N. Gates, attorneyin-fact

07/03/2018

\*\* Signature of Reporting Person

on 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.