FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

wasiiiigton,	D.C. 20549	

	OMB APPROVAL							
	OMB Number:	3235-0287						
	Estimated average burden							
	hours per response:	0.5						
- 1								

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*  KELLOGG PETER N				2. Issuer Name and Ticker or Trading Symbol YIELD10 BIOSCIENCE, INC. [ YTEN ]						5. Relationship of Reporting Person(s) to Issuer (Check all applicable)					
KELLC	JGG PEI	<u>ER N</u>			11111	DIO DI		<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>	11101	1211	2	_		10% Ov	· I
(Last)	(F	irst)	(Middle)		3. Date of Earliest Transaction (Month/Day/Year) 05/23/2018						Officer ( below)	Officer (give title below)		pecify	
C/O YIELD10 BIOSCIENCE, INC.					13/23/2	.010									
19 PRESIDENTIAL WAY				4. If Amendment, Date of Original Filed (Month/Day/Year)					6. In	6. Individual or Joint/Group Filing (Check Applicable					
(Street)											Line		- d b O D.		
WOBUR	N M	A	01801								)	_	,	porting Persor an One Repor	
												Person	eu by More u	ап Опе керог	urig
(City)	(S	tate)	(Zip)												
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned															
Date			2. Transact Date Month/Day	Execution Date,		3. Transaction Code (Instr. 8)  4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4)			5. Amoun Securities Beneficia Owned Fo	s Form ally (D) o ollowing (I) (Ir	rm: Direct or Indirect (Instr. 4)	7. Nature of Indirect Beneficial Ownership			
						Code V	Amount	(A) or (D)	Price	Transacti (Instr. 3 a	on(s) nd 4)		(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)	Conversion Date Execution or Exercise (Month/Day/Year) if any		3A. Deemed Execution Date if any (Month/Day/Ye	Code (Instr.		Derivative		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 <sup>(1)</sup>		(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-in-05/25/2018 **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.