FORM 4	4
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UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL

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Section 16. Form 4 or Form 5
obligations may continue. See
nstruction 1(h)

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)			
Peoples Oli	<u>ver P</u>		1			<u>, , , , , , , , , , , , , , , , , , , </u>	<u></u> [110	. 1	X	Director	10% 0	Dwner
(Last) C/O YIELD10 19 PRESIDEN	(First)) BIOSCIENCE TIAL WAY	(Middle)		3. Date of Earliest Transaction (Month/Day/Year) 05/23/2018				- x	X Officer (give title Other (specify below) Pres & CEO			
			4. 1	If Amendment, Date of C	Driginal	Filed ((Month/Day/Yea	ar)	6. Indi Line)	vidual or Joint/Group	o Filing (Check A	oplicable
(Street) WOBURN	MA	01801							X	Form filed by On		
(City)	(State)	(Zip)								Form filed by Mo Person	re than One Rep	orting
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned												
Date		2. Transaction Date (Month/Day/Y	Execution Date,	Code (Instr.					Beneficially Owned Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership	
					Code	v	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 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 8. Price of Derivative Security 3. Transaction 3A. Deemed 5. Number of 6. Date Exercisable and 7. Title and Amount 9. Number of 10. 11. Nature 2 4. Transaction Code (Instr. 8) Ownership Form: Execution Date, if any Conversion Expiration Date (Month/Day/Year) of Securities Underlying of Indirect Date Derivative derivative (Month/Day/Year) or Exercise Beneficial Securities Securities Direct (D) or Indirect (I) (Instr. 4) Price of Derivative Acquired (A) or Disposed Derivative Sec (Instr. 3 and 4) Beneficially Owned Ownership (Instr. 4) (Instr. 3) (Month/Day/Year) Security (Instr. 5) Security of (D) (Instr. 3, 4 and 5) Following Reported Transaction(s) Amount (Instr. 4) or Number Expiration Date Code v (A) (D) Exercisable Date Title of Shares Stock Option 05/23/2018 Common 335,000 \$1.65 A 335,000 (1) 05/23/2028 \$<mark>0</mark> 335,000 D (right to Stock

Explanation of Responses:

buy)

1. 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

<u>fact</u>

** 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.