FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL	
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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

Name and Address of Reporting Person* <u>Sinskey Anthony J</u>						2. Issuer Name and Ticker or Trading Symbol YIELD10 BIOSCIENCE, INC. [YTEN]								Reporting Person(s) to Issuer (Check all applicable) X Director 10% Owner				
(Last) (First) (Middle) C/O YIELD10 BIOSCIENCE, INC. 19 PRESIDENTIAL WAY						3. Date of Earliest Transaction (Month/Day/Year) 06/29/2018								21	(give title		specify	
(Street) WOBURN MA 01801 (City) (State) (Zip)					- 4. I	4. If Amendment, Date of Original Filed (Month/Day/Year)								Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting Person				
(- 9)		,		n-Deriv	vativ	e Se	curities	Acc	quired, D	isp	osed of	f, or Ber	neficia	lly Owned				
1. Title of Security (Instr. 3) 2. Transac Date (Month/Da					ear)	2A. Deeme Execution if any (Month/Day	Date,			ties Acquired (A) or Of (D) (Instr. 3, 4 and		Benefici	Forn Illy (D) o ollowing (I) (Ir	Ownership orm: Direct or Indirect (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)			
								Code	_	Amount	(A) or (D) Pri			Transaction(s) (Instr. 3 and 4)		, ,		
		,	Table II -						ired, Dis					/ 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 D if any (Month/Day	Date,	4. Transa Code (8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable an Expiration Date (Month/Day/Year)			7. Title and Amount of Securities Underlying Derivative Securit (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s)	Ownershi Form: Direct (D) or Indirect (I) (Instr. 4	Beneficial Ownership (Instr. 4)	
					Code	v	(A) (D)				Expiration Date	Title	Amoun or Numbe of Shares	1	(Instr. 4)	5)		
Stock Option (right to buy)	\$1.41	06/29/2018			A		2,270 ⁽¹⁾		06/29/2018	3 0	6/29/2028	Common Stock	2,270	\$1.31	2,270	D		

Explanation of Responses:

1. These options were issued to the Reporting Person pursuant to the Issuer's Director Compensation Policy in lieu of \$2,969 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

n 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.