SEC For	m 4 FORM	4	UNITED) STA	TES	6 SE						NGE (COMN	IISSION					
Check Section obligat Instruc	d purs	Washington, D.C. 20549 NT OF CHANGES IN BENEFICIAL OWNE I pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940												VAL 3235-0287 n 0.5					
1. Name and Address of Reporting Person* Sinskey Anthony J									cker or Tradi SCIENCI				Relationship heck all appli X Directo	cable)	ng Pers	son(s) to Iss 10% Ov Other (s	ner		
(Last) (First) (Middle) C/O YIELD10 BIOSCIENCE, INC. 19 PRESIDENTIAL WAY					3. Date of Earliest Transaction (Month/Day/Year) 03/31/2021									below) below)					
(Street) WOBURN MA 01801					4.1	f Amer	ndment, I	Date	of Original F	iled	(Month/Da		Individual or Joint/Group Filing (Check Applicable ne) X Form filed by One Reporting Person Form filed by More than One Reporting Person						
(City)	(S	,	(Zip) le I - Nor	n-Deriv	ative	e Sec	urities	s Ac	quired, I	Disp	oosed o	of, or Be	neficia	ally Owned	<u> </u>				
1. Title of Security (Instr. 3) 2. Transa Date (Month/D						Execution Date			e, Transaction Disposed Code (Instr. 5)		ities Acquired (A) o d Of (D) (Instr. 3, 4 a		nd Securitie Benefici Owned I	es ally Following	Form (D) o	n: Direct r Indirect Istr. 4)	7. Nature of Indirect Beneficial Ownership		
								Code	v	Amount	(A) or (D)		Reported Transaction(s) (Instr. 3 and 4)				(Instr. 4)		
		г							uired, Di s, options					y 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/Year)		4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)			7. Title and Amount of Securities Underlying Derivative Securi (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)		10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)	
					Code	v	(A)	(D)	Date Exercisable		xpiration ate	Title	Amoun or Numbe of Shares						
Stock Option (right to buy)	\$12.54	03/31/2021			A		660 ⁽¹⁾		03/31/2021	03	3/31/2031	Common Stock	660	\$11.84	660		D		

Explanation of Responses:

1. These options were issued to the Reporting Person pursuant to the Issuer's Director Compensation Policy in lieu of \$7,813 of cash compensation for services rendered to the Issuer as a member of its Board of Directors and/or a committee thereof during the first quarter of 2021.

<u>/s/ Megan N. Gates, attorney-</u> in-fact	04/02/2021
** 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.