FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL								
OMB Number:	3235-0287							
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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* <u>Hamilton Richard William</u>						2. Issuer Name and Ticker or Trading Symbol YIELD10 BIOSCIENCE, INC. [YTEN]								5. Relationship of Reporting Person(s) to Issuer (Check all applicable)						
														X	Director			10% Owner		
(Last)	,	irst) SCIENCE, INC.	(Middle)			3. Date of Earliest Transaction (Month/Day/Year) 05/24/2017									Officer (below)	give title		Other (s below)	specify	
19 PRESIDENTIAL WAY																				
13 FRESIDENTIAL WAT						4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Individual or Joint/Group Filing (Check Applicable Line)						
(Street)														,	⊏orm file	ed by One	Dano	rtina Darcar	,	
WOBURN MA 01801													X Form filed by One Reporting Person Form filed by More than One Reporting Person							
(City)	(S	state)	(Zip)																	
		Ta	ble I - Noi	n-Deri	ivativ	ve Se	curities	Acq	uired,	Disp	osed of	, or Be	neficia	ly Ov	wned					
1. Title of Security (Instr. 3) 2. Transa Date (Month/D						2A. Deemed Execution Date, if any (Month/Day/Year)		3. Transaction Code (Instr. 8)			15) S B C	Beneficially Owned Following		6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership				
									Code	v	Amount	(A) o	Price	Т	Reported Transaction(s) (Instr. 3 and 4)				(Instr. 4)	
Common Stock 05/24/					24/20	/2017		A		8,571(1	8,571 ⁽¹⁾ A			8,571			D			
			Table II -				urities A ls, warra							/ Owi	ned			,		
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Da if any (Month/Day/	ate,	4. Transaction Code (Instr. 8)				6. Date Exercis Expiration Dat (Month/Day/Ye		е	7. Title ar of Securi Underlyir Derivativ (Instr. 3 a	ties 1g e Securit	Der	Price of rivative curity str. 5)	9. Numbe derivative Securities Beneficial Owned Following Reported	e s lly	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
					Code	v	(A)	(D)	Date Exercisa		Expiration Date	Title	Amour or Numbe of Shares	r		Transaction(s) (Instr. 4)				
Stock Option (right to buy)	\$0.42	05/24/2017			A		30,000 ⁽²⁾		05/24/20	117	05/24/2027	Common Stock	30,00	0	\$0	30,000	0	D		
Stock Option (right to	\$0.42	05/24/2017			A		25,000 ⁽³⁾		05/24/20	18	05/24/2027	Common Stock	25,00	0	\$0	25,000	0	D		

Explanation of Responses:

- 1. These shares were issued to the Reporting Person pursuant to the Issuer's Director Compensation Policy for services rendered to the Issuer as a member of its Board of Directors and/or a committee thereof during the first quarter of 2017.
- 2. These options were issued to the Reporting Person as the initial option grant to a non-employee director 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.
- 3. 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.

/s/ Megan N. Gates, attorney-infact 05/26/2017

** 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.