FORM 4

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

Washington, D.C. 20549

washington,	D.C. 20549	
STATEMENT OF CHANGES IN	N BENEFICIAL	<b>OWNERSHIP</b>

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>Hughes Steven George</u>					ORGANOVO HOLDINGS, INC. [ ONVO ]								ationship of Reporting Pers k all applicable) Director Officer (give title		j Perso	10% Ov	/ner	
(Last) (First) (Middle) 6275 NANCY RIDGE DRIVE, SUITE 110					3. Date of Earliest Transaction (Month/Day/Year) 08/14/2018							X	below) `	Chief Medical (		Other (specify below)  Officer		
(Street) SAN DII	EGO C.	A	92121		4. If Amendment, Date of Original Filed (Month/Day/Year)					6. Ind Line) X	vidual or Joint/Group Filing (Check Applicable  Form filed by One Reporting Person  Form filed by More than One Reporting							
(City)	(S		(Zip)		Person													
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																		
Date			2. Transac Date (Month/Da	Execution Date,		3. Transaction Code (Instr. 8)  4. Securities Acquired (A) o Disposed Of (D) (Instr. 3, 4 a)					Form (D) or ollowing (I) (In		n: Direct or Indirect nstr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)				
						Code	v	Amount (A) or (D)		rice	Transacti (Instr. 3 a	action(s)			,iiisti. 4)			
Common Stock 08/14				08/14/2	2018			A		160,714 <sup>(1)</sup> A		\$0.00	160,714		D			
	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)  2. Conversion Date (Month/Day/Year) Or Exercise Price of Derivative Security Or Exercise (Month/Day/Year)		Cod	nsaction le (Instr.	Derivative E		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	e V	(A)	(D)	Date Exercisabl		Expiration Date	Title	Amo or Num of Sh			(Instr. 4)			
Stock Option (Right to Buy)	\$1.12	08/14/2018		A		974,694		(2)	(	08/14/2028	Common Stock	974	,694	\$0.00	974,69	)4	D	

## Explanation of Responses:

- 1. The shares represent a grant of Restricted Stock Units ("RSUs"). The RSUs represent a right to receive shares of the Issuer's common stock, at no additional conversion or exercise price. 25% of the RSUs vest and settle on August 15, 2019 and the remaining shares vest in 12 equal quarterly installments thereafter.
- 2. 25% of the option shares vest and become exercisable on August 15, 2019 and the remaining shares vest in 12 equal quarterly installments thereafter.

## Remarks:

<u>/s/ Steven Hughes</u> <u>08/15/2018</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.