FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL									
OMB Number:	3235-0287								
Estimated average l	nurdon								

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

hours per response: 0.5

1. Name and Address of Reporting Person* Murphy Keith					2. Issuer Name and Ticker or Trading Symbol ORGANOVO HOLDINGS, INC. [ONVO]							(Che	elationship o eck all applio Directo	able)	g Pers	on(s) to Iss			
(Last) 6275 NA	`	irst) GE DRIVE, SUI	(Middle) TE 110			3. Date of Earliest Transaction (Month/Day/Year) 02/16/2016							- ,	below)	(give title man, CE	O and	Other (below) d Presider		
(Street) SAN DII			92121 (Zip)		4. 1	4. If Amendment, Date of Original Filed (Month/Day/Year)					6. In Line) Form fi	vidual or Joint/Group Filing (Check Applicable Form filed by One Reporting Person Form filed by More than One Reporting Person						
Table I - Non-Deriv 1. Title of Security (Instr. 3) 2. Transa Date (Month/L				action	ction 2A. Deemed Execution Date,			3. Transaction Code (Instr. 8) 4. Securities Acquired (A) of Disposed Of (D) (Instr. 3, 4 5)			A) or	5. Amount of			nership : Direct r Indirect str. 4)	7. Nature of Indirect Beneficial Ownership			
Common	Common Stock 0				6/201	/2016		Code	v	Amount 24,690	(D)		Price \$2.04	Reported Transact (Instr. 3 a			D	(Instr. 4)	
		-	Table II -								osed of, converti				Owned		<u> </u>		
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	e Execution	Date, Trans Code		saction e (Instr. Securiti Acquire (A) or Dispose of (D) (II 3, 4 and		ive (ies ed ed nstr.	Expiration	Date Exercisable and xpiration Date Month/Day/Year)		7. Title and Amou of Securities Underlying Derivative Securi (Instr. 3 and 4)		curity	8. Price of Derivative Security (Instr. 5)		Owners Form Direct or Inc. (I) (Inc.)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)
					Code	v	(A)		Date Exercisab		xpiration ate	Title	OI N Of	umber					
Stock Option (Right to	\$2.04	02/16/2016			A		24,690		02/16/201	.6 0	02/16/2026	Comm		4,690	\$0.00	24,690	0	D	

Explanation of Responses:

- 1. The shares were withheld at the election of the Reporting Person to satisfy tax withholding obligations in connection with the partial vesting of restricted stock units granted in August 2012 in accordance with the terms of the Reporting Person's Equity Incentive Award Agreement dated August 2012.
- 2. This number does not include 1,416,454 shares of common stock underlying outstanding options and 30,000 shares of common stock underlying warrants held by Mr. Murphy; post-transaction Mr. Murphy continues to beneficially own or have a right to acquire 7,366,092 shares of common stock
- 3. The option was automatically issued pursuant to the terms of the Reporting Person's Equity Incentive Award Agreement issued in August 2012.

Remarks:

 $(\text{Buy})^{(3)}$

/s/ Keith Murphy

02/18/2016

** 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.