FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

wasnington,	D.C.	20549	

Check this box if no longer subject to Section 16. Form 4 or Form 5	STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP
obligations may continue. See	
Instruction 1(b).	Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934

OMB APPROVAL OMB Number: Estimated average burden hours per response: 0.5

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>Bush Jennifer</u>					2. Issuer Name and Ticker or Trading Symbol ORGANOVO HOLDINGS, INC. [ONVO]									Check a	ionship of Reporting all applicable) Director Officer (give title		10% Ow		vner	
(Last) (First) (Middle) 6275 NANCY RIDGE DRIVE, SUITE 110					3. Date of Earliest Transaction (Month/Day/Year) 11/16/2016									X	belov	v) ``	be	Other (spec below) el & Secretary		
(Street) SAN DIE			92121 Zip)		4. If Amendment, Date of Original Filed (Month/Day/Year)							. Individine)	ividual or Joint/Group Filing (Check Applicable Form filed by One Reporting Person Form filed by More than One Reporting Person							
	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																			
Dat			Date (Month/Day/Year) if		Ex) if a	2A. Deemed Execution Date, if any (Month/Day/Year)				ties Acquired (A) o I Of (D) (Instr. 3, 4			and 5) Sec Ben Owi		cially I Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	ct	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
									Code	v	Amount	(<i>A</i>	N) or D)	Price	- 11	Reported Transaction(s) (Instr. 3 and 4)				(msu. 4)
Common Stock				11/16/	5/2016				F		1,210 ⁽¹	D \$3		\$3.2	.594 47,576 ⁽²⁾		⁷ ,576 ⁽²⁾	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)	tive Conversion Date Execution Date, or Exercise (Month/Day/Year) if any		n Date, ay/Year)	4. Transa Code (8)			6. Date Exercisable and Expiration Date (Month/Day/Year) Date Expiration Date Expiration Date		7. Title and Amount of Securities Underlying Derivative Security (Instrand 4) Amoun or Numb of Title Share:		nstr. 3 nount mber	t r		9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	Owners Form: Direct (I or Indire (I) (Insti)) ect	11. Nature of Indirect Beneficial Ownership (Instr. 4)			

Explanation of Responses:

- 1. Represents the mandatory sale of shares to satisfy the Reporting Person's tax withholding obligations, in connection with the partial vesting and settlement of restricted stock units granted in July 2016, pursuant to the Reporting Person's agreement with the Issuer.
- 2. This number does not include 375,000 shares of common stock underlying outstanding options held by Ms. Bush; post-transaction Ms. Bush continues to beneficially own or have a right to acquire 422,576 shares of common stock.

Remarks:

/s/ Jennifer Bush

11/18/2016

** 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.