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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hours per response:	0.5							

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>Bush Jennifer</u>						2. Issuer Name <b>and</b> Ticker or Trading Symbol ORGANOVO HOLDINGS, INC. [ONVO]							ck all applica Director	able)	Person(s) to Iss		wner
(Last) (First) (Middle) 6275 NANCY RIDGE DRIVE, SUITE 110					3. Date of Earliest Transaction (Month/Day/Year) 05/24/2018								below)	(give title eral Counsel &		Other (s below)	
(Street) SAN DIEGO CA 92121				4	4. If Amendment, Date of Original Filed (Month/Day/Year)							Line	dividual or Joint/Group Filing (Check Applicable )  K Form filed by One Reporting Person Form filed by More than One Reporting Person				
(City)	(S	tate)	(Zip)										Person				
		Та	ble I - Non-	Derivati	ve Se	ecuritie	s Ac	quired,	Dis	posed o	f, or Be	neficially	Owned				
1. Title of Security (Instr. 3)  2. Transar Date (Month/Da					Execution Date,		Code (Instr.			5. Amount Securities Beneficia Owned For Reported	s Forn ally (D) o ollowing (I) (Ir		n: Direct or Indirect nstr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)			
							Code	v	Amount	(A) o	Price	Transacti (Instr. 3 a	on(s)			msu. 4)	
Common Stock <sup>(1)</sup> 05/24/					18			A		70,248 <sup>(2)</sup> A		\$0.00	305,9	05,903 <sup>(3)</sup>		D	
			Table II - D (e	erivativ e.g., put	e Sec s, cal	urities Is, warr	Acqı ants	uired, D , option	ispo s, c	osed of, onverti	or Bendele	eficially ( ırities)	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/Ye	ate, Transaction Code (Instr				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)	Beneficial Ownership (Instr. 4)
				Code	v	(A)		Date Exercisabl		xpiration ate	Title	Amount or Number of Shares		(Instr. 4)	on(s)		
Stock Option (Right to Buy)	\$1.84	05/24/2018		A		283,333		(4)	0	5/24/2028	Common Stock	283,333	\$0.00	283,33	3	D	

## Explanation of Responses:

- 1. Annual long-term equity award approved by the Compensation Committee of the Issuer's Board of Directors.
- 2. 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. The RSUs vest and settle over 16 equal quarterly installments measured from May 15, 2018.
- 3. This number does not include 658,333 shares of common stock underlying outstanding options held by Ms. Bush; post-transaction Ms. Bush beneficially owns or has a right to acquire 964,236 shares of common stock.
- $4. \ The \ option \ shares \ vest \ and \ become \ exercisable \ over \ 16 \ equal \ quarterly \ installments \ measured \ from \ May \ 15, \ 2018.$

## Remarks:

/s/ Jennifer Bush

05/29/2018

\*\* 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.