SEC	Form	4
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FORM 4

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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 OMB APPROVAL
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			or Section 30(n) of the investment Company Act of 1940							
1. Name and Address of Reporting Person* <u>Presnell Sharon Collins</u>			2. Issuer Name and Ticker or Trading Symbol ORGANOVO HOLDINGS, INC. [ONVO]	(Check	ationship of Reporting Per k all applicable) Director Officer (give title	son(s) to Issuer 10% Owner Other (specify				
(Last) 6275 NANCY I	(First) RIDGE DRIV	(Middle) E, SUITE 110	3. Date of Earliest Transaction (Month/Day/Year) 02/19/2014		below) EVP, Research & 1	below)				
(Street) SAN DIEGO (City)	AN DIEGO CA 92121		4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Indiv Line) X	,					
	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned									

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transa Code (8)	ction	4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			Securities	(D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	v	Amount	(A) or (D)	Price	Transaction(s) (Instr. 3 and 4)		(

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 or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transa Code (8)		Derivative		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	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		(Instr. 4)		
Stock Option (Right to Buy) ⁽¹⁾	\$9.86	02/19/2014		A		155,000		(2)	02/19/2024	Common Stock	155,000	\$0	155,000	D	

Explanation of Responses:

1. Annual long-term equity award approved by the Compensation Committee of the Issuer's Board of Directors.

2. 25% of the option shares vest and become exercisable on February 19, 2015 and the remaining shares vest in 12 equal quarterly installments thereafter.

/s/ Sharon Collins Presnell

02/20/2014

Date

** Signature of Reporting Person

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.