

ORGANOVO HOLDINGS, INC.  
Form 4  
August 23, 2016

**FORM 4**

**UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549**

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).

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
Presnell Sharon Collins

2. Issuer Name and Ticker or Trading Symbol  
ORGANOVO HOLDINGS, INC.  
[ONVO]

5. Relationship of Reporting Person(s) to Issuer  
  
(Check all applicable)  
  
\_\_\_\_ Director      \_\_\_\_ 10% Owner  
 Officer (give title below)      \_\_\_\_ Other (specify below)  
Chief Scientific Officer

(Last)      (First)      (Middle)  
  
6275 NANCY RIDGE DRIVE,  
SUITE 110  
  
(Street)

3. Date of Earliest Transaction  
(Month/Day/Year)  
08/19/2016

SAN DIEGO, CA 92121

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
\_\_\_\_ Form filed by More than One Reporting Person

(City)      (State)      (Zip)

**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. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
Common Stock	08/19/2016		F	(A) or (D) V Amount Price 1,109 \$ <u>(1)</u> 4.0017	117,955 <u>(2)</u>	D	

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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SEC 1474  
(9-02)

**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

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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. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secur Bene Own Follo Repo Trans (Instr
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Presnell Sharon Collins 6275 NANCY RIDGE DRIVE, SUITE 110 SAN DIEGO, CA 92121			Chief Scientific Officer	

## Signatures

/s/ Sharon  
Presnell

08/23/2016

\*\*Signature of  
Reporting Person

Date

## Explanation of Responses:

- \* 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).
- (1) The reported transaction represents the mandatory withholding of shares by the Issuer 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.
  - (2) This number does not include 1,282,192 shares of common stock underlying outstanding options held by Dr. Presnell; post-transaction Dr. Presnell continues to beneficially own or have a right to acquire 1,400,147 shares of common stock.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.