ORGANOVO HOLDINGS, INC.

Form 4

February 21, 2014

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

3235-0287

Expires:

January 31, 2005

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response...

if no longer subject to Section 16. Form 4 or Form 5

Check this box

obligations may continue. See Instruction

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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person *

(First)

(Street)

(State)

Presnell Sharon Collins

2. Issuer Name and Ticker or Trading

Symbol

ORGANOVO HOLDINGS, INC.

[ONVO]

5. Relationship of Reporting Person(s) to

Issuer

(Last)

(Middle)

3. Date of Earliest Transaction

(Month/Day/Year) 02/19/2014

Director 10% Owner

(Check all applicable)

EVP, Research & Dev & CTO

Other (specify X_ Officer (give title below)

6275 NANCY RIDGE DRIVE. SUITE 110

4. If Amendment, Date Original

Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check

Applicable Line)

X 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

SAN DIEGO, CA 92121

(City)

Security

(Instr. 3)

1. Title of 2. Transaction Date 2A. Deemed

(Month/Day/Year) Execution Date, if

(Zip)

3. Code (Month/Day/Year) (Instr. 8)

4. Securities TransactionAcquired (A) or Disposed of (D) (Instr. 3, 4 and 5)

(A)

or

5. Amount of Securities Beneficially Owned Following

6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect Beneficial Ownership (Instr. 4) (Instr. 4)

Reported Transaction(s) (Instr. 3 and 4) Code V Amount (D) Price

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)

1. Title of Derivative Conversion (Month/Day/Year) Execution Date, if

3. Transaction Date 3A. Deemed

5. Number of TransactionDerivative

6. Date Exercisable and **Expiration Date**

7. Title and Amount of **Underlying Securities**

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Security (Instr. 3)	or Exercise Price of Derivative Security		any (Month/Day/Year)	Code (Instr. 8)	Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		(Month/Day/Year)		(Instr. 3 and 4)	
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Option (Right to Buy) (1)	\$ 9.86	02/19/2014		A	155,000		(2)	02/19/2024	Common Stock	155,000

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

EVP, Research & Dev & CTO

Signatures

/s/ Sharon Collins Presnell 02/20/2014

**Signature of Reporting 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) 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.

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.

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