### ORGANOVO HOLDINGS, INC.

Form 4

February 20, 2014

## FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

**SECURITIES** 

OMB Number:

3235-0287

January 31, Expires:

**OMB APPROVAL** 

2005

Estimated average burden hours per response... 0.5

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

Check this box

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. See Instruction

30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person \* Murphy Keith

(First)

(Street)

2. Issuer Name and Ticker or Trading

Issuer

5. Relationship of Reporting Person(s) to

Symbol ORGANOVO HOLDINGS, INC.

(Check all applicable)

[ONVO]

(Last)

(Middle)

3. Date of Earliest Transaction

\_X\_ Director 10% Owner Other (specify X\_ Officer (give title

(Month/Day/Year) 02/18/2014

below) Chairman, CEO and President

6275 NANCY RIDGE DRIVE, SUITE 110

6. Individual or Joint/Group Filing(Check

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

Applicable Line)

\_X\_ Form filed by One Reporting Person Form filed by More than One Reporting

Person

SAN DIEGO, CA 92121

(City)	(State)	(Zip) Tab	le I - Non-	Derivative S	Securi	ties Acquir	ed, Disposed of,	or Beneficially	y 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. Securitie ord Disposed (Instr. 3, 4)	d of (Ľ	))	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	02/18/2014		S <u>(1)</u>	100,000	D	\$ 9.8222 (2)	5,974,643	D	
Common Stock	02/19/2014		A	50,000	A	(3)	6,024,643	D	
Common Stock	02/19/2014		F	27,307 (4)	D	\$ 9.86	5,997,336 (5)	D	

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)

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# 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. Transactio Code (Instr. 8)	5. Number of or 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)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount of Number of Shares
Stock Option (Right to Buy) (6)	\$ 9.86	02/19/2014		A	27,307	02/19/2014	02/19/2024	Common Stock	27,307
Stock Option (Right to Buy) (7)	\$ 9.86	02/19/2014		A	550,000	(8)	02/19/2024	Common Stock	550,000

## **Reporting Owners**

Reporting Owner Name / Address	Relationships					
	Director	10% Owner	Officer	Other		
Murphy Keith 6275 NANCY RIDGE DRIVE, SUITE 110 SAN DIEGO, CA 92121	X		Chairman, CEO and President			

## **Signatures**

/s/ Keith
Murphy

\*\*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 sale of shares was effectuated pursuant to a Rule 10b5-1 trading plan adopted by the Reporting Person.
- This transaction was executed in multiple sales through a sale order executed by a broker-dealer at prices ranging from \$9.75 to \$9.88. (2) The price reported in this column reflects the weighted average sale price. The Reporting Person will provide upon request to the SEC

staff, the Issuer, or a security holder of the Issuer, full information regarding the number of shares sold at each separate price.

(3) In August 2012, Mr. Murphy received a grant of performance-based restricted stock units for 200,000 shares of Issuer's common stock, with 25% of the shares vesting upon the achievement of each of four specific performance milestones prior to December 31, 2014. On

Reporting Owners 2

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February 19, 2014, the Compensation Committee of the Issuer's Board of Directors determined that, as a result of the Issuer obtaining analyst coverage for its common stock, Mr. Murphy had achieved the third of four performance milestones and had vested in an additional 50,000 shares.

- (4) These shares were withheld at the election of the Reporting Person to satisfy tax withholding obligations in connection with the partial vesting of performance-based restricted stock units granted in August 2012.
- This number does not include 898,756 shares of common stock underlying oustanding options and 30,000 shares of common stock underlying warrants held by Mr. Murphy; post-transaction Mr. Murphy continues to beneficially own or have a right to acquire 6,926,092 shares of common stock.
- The option was automatically issued pursuant to the terms of the Reporting Person's Equity Incentive Award Agreement issued in August 2012
- (7) Annual long-term equity award approved by the Compensation Committee.
- (8) 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.