ORGANOVO HOLDINGS, INC.

Form 4

August 24, 2015

FORM 4

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

Check this box

if no longer subject to Section 16. Form 4 or

Form 5 obligations

may continue. See Instruction

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(b).

(Last)

(City)

1. Title of

Security

(Instr. 3)

1. Name and Address of Reporting Person *

GLOVER JAMES T

(Zip)

(First) (Middle)

6275 NANCY RIDGE DRIVE.

SUITE 110

(Street)

(State)

SAN DIEGO, CA 92121

2. Issuer Name and Ticker or Trading

Symbol

ORGANOVO HOLDINGS, INC. [ONVO]

3. Date of Earliest Transaction

(Month/Day/Year) 08/20/2015

4. If Amendment, Date Original

Filed(Month/Day/Year)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

2. Transaction Date 2A. Deemed 3. 4. Securities (Month/Day/Year) Execution Date, if TransactionAcquired (A) or Code Disposed of (D)

(Instr. 3, 4 and 5) (Month/Day/Year) (Instr. 8)

(A) or

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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number.

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

3. Transaction Date 3A. Deemed 1. Title of (Month/Day/Year) Execution Date, if TransactionDerivative Derivative Conversion

5. Number of

6. Date Exercisable and **Expiration Date**

7. Title and Amount of 8 Underlying Securities

OMB APPROVAL

3235-0287

January 31,

2005

0.5

OMB

Number:

Expires:

response...

5. Relationship of Reporting Person(s) to

6. Individual or Joint/Group Filing(Check

6. Ownership

Form: Direct

X Form filed by One Reporting Person Form filed by More than One Reporting

(I)

(Instr. 4)

(Check all applicable)

10% Owner

Other (specify

7. Nature of

Ownership

(Instr. 4)

SEC 1474

(9-02)

Indirect

(D) or Indirect Beneficial

Issuer

below)

X_ Director

Applicable Line)

5. Amount of

Securities

Following

Reported

Transaction(s)

(Instr. 3 and 4)

Owned

Beneficially

Officer (give title

Estimated average

burden hours per

1

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Security (Instr. 3)	or Exercise Price of Derivative Security		any (Month/Day/Year)	Code Securities (Instr. 8) 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)	\$ 2.09	08/20/2015		A	37,000 (1)		<u>(2)</u>	08/20/2025	Common Stock	37,000 (1)

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

GLOVER JAMES T 6275 NANCY RIDGE DRIVE, SUITE 110 X SAN DIEGO, CA 92121

Signatures

/s/ Barry Michaels, Attorney-in-fact

08/24/2015

**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) This option represents the annual award granted to the Reporting Person pursuant to the Issuer's non-employee director compensation program.
- (2) The option shares vest and become exercisable in full on the earlier of (i) August 20, 2016 or (ii) immediately prior to commencement of the Issuer's next annual stockholder meeting.

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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