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

FORM 8-K

CURRENT REPORT
Pursuant to Section 13 or 15(d) of
the Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): March 28, 2014

ORGANOVO HOLDINGS, INC.
(Exact name of registrant as specified in its charter)

Commission File Number: 001-35996

Delaware
(State or other jurisdiction
of incorporation)

27-1488943
(I.R.S. Employer
Identification No.)

**6275 Nancy Ridge Dr.,
San Diego, California 92121**
(Address of principal executive offices, including zip code)

(858) 550-9994
(Registrant's telephone number, including area code)

(Former Name or Former Address, if Changed Since Last Report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
 - Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
 - Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
 - Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))
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Item 7.01 Regulation FD Disclosure

On April 10, 2014, Keith Murphy, Chief Executive Officer and President of Organovo Holdings, Inc. (the “Company”), will be participating in a live webcast presentation to investors via RetailInvestorConferences.com. The presentation will take place at 12:00 PM ET, and investors may access the presentation at www.retailinvestorconferences.com > click on red “register / watch event now” button. A copy of the presentation slides will be available on the Company’s website under the “Investors” tab.

The presentation will be a live, interactive online event where investors are invited to ask questions in real-time-both in the presentation hall as well as the Company’s “virtual trade booth.” If attendees are not able to join the event live on the day of the conference, an on-demand archive will be available for 90 days.

A press release regarding the live webcast presentation is attached hereto as Exhibit 99.1.

The information furnished on this Form 8-K shall not be deemed “filed” for purposes of Section 18 of the Securities Exchange Act of 1934 or otherwise subject to the liabilities of that section, nor shall it be deemed incorporated by reference into any other filing under the Securities Act of 1933 or the Securities Exchange Act of 1934, except as expressly set forth by specific reference in such a filing.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits.

<u>Exhibit No.</u>	<u>Description</u>
99.1	Press Release, dated March 28, 2014.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this Report to be signed on its behalf by the undersigned hereunto duly authorized.

Date: March 28, 2014

ORGANOVO HOLDINGS, INC.

/s/ Keith Murphy

Keith Murphy

Chief Executive Officer

Exhibit Index

<u>Exhibit No.</u>	<u>Description</u>
99.1	Press Release, dated March 28, 2014.

Organovo Provides Guidance on Retail Investor Conference

03/28/2014

SAN DIEGO, March 28, 2014 /PRNewswire/ — Organovo Holdings, Inc. (NYSE MKT: ONVO) (“Organovo”), a three-dimensional biology company focused on delivering breakthrough 3D bioprinting technology, today provided guidance on topics to be discussed at an upcoming Retail Investor Conference on April 10, 2014.

Organovo’s Chairman and Chief Executive Officer, Keith Murphy, will be presenting on Thursday, April 10, 2014 at 12:00pm ET, and investors can directly participate in this live, interactive online event. Investors will be invited to ask the company questions in real-time both in the presentation hall as well as the company’s “virtual trade booth.” Organovo has regularly updated its online presentation at retailinvestorconferences.com, and the company maintains its most recent investor conference for on demand viewing at any time. The most recent version can be viewed now by visiting retailinvestorconferences.com. Because the company maintains 24/7 access to this extensive presentation on its technology and business, it has at times declined to have shorter presentations with a subset of the same information presented to be webcast or recorded, such as the 15 minute short form presentation at the Alliance for Regenerative Medicine investor conference on March 26, 2014. All information provided at that conference, and more, is found in the current on-demand presentation.

At the upcoming conference on April 10, Organovo will provide information on several topics, including:

KOL update: guidance on expectations and timelines for key opinion leader (KOL) evaluation of Organovo’s 3D Liver tissue;

Cash burn and R&D spending: Review of the company’s cash position and expectations of future spending;

Update on progress of bioprinted breast cancer models: New results from Organovo’s bioprinted breast cancer models are expected to be released at the upcoming American Association for Cancer Research (AACR) annual meeting, to be held April 5-9 in San Diego, CA. Mr. Murphy will review the results on the live investor conference on April 10;

Advantages of NovoGen 3D Bioprinting versus currently available methods and technologies: Organovo will cover the advantages of its NovoGen 3D Bioprinting to achieve breakthroughs in the creation of living tissue, including up to date data from its 3D Liver product. Based on the performance of the liver to date, which will be reviewed at the conference, the company believes its human liver model currently in development has the opportunity to redefine the category of in vitro assays as being fully human; multicellular; three dimensional in size, shape, and substance; and consistent in form and function with a native tissue sample. It also believes this set of attributes is unique and unmatched by current products and technologies, none of which use any form of bioprinting today.

DATE: April 10, 2014

TIME: 12:00 PM ET

If attendees are not able to join the event live on the day of the conference, an on-demand archive will be available for at least 90 days. It is recommended that investors pre-register to save time and receive event updates.

To watch Organovo's most recent investor presentation on demand, please follow these instructions:

LINK: www.retailinvestorconferences.com > click on red "register / watch event now" button

Register or login

Go to "Auditorium"

Select "Watch this month's presentations"

(December event)

Scroll down and select "Organovo"

About Organovo Holdings, Inc.

Organovo designs and creates functional, three-dimensional human tissues for medical research and therapeutic applications. The Company is collaborating with pharmaceutical and academic partners to develop human biological disease models in three dimensions. These 3D human tissues have the potential to accelerate the drug discovery process, enabling treatments to be developed faster and at lower cost. In addition to numerous scientific publications, the Company's technology has been featured in The Wall Street Journal, Time Magazine, The Economist, and numerous others. Organovo is changing the shape of medical research and practice. Learn more at www.organovo.com.

Safe Harbor Statement

Any statements contained in this press release that do not describe historical facts may constitute forward-looking statements as that term is defined in the Private Securities Litigation Reform Act of 1995. Any forward-looking statements contained herein are based on current expectations, but are subject to a number of risks and uncertainties. The factors that could cause actual future results to differ materially from current expectations include, but are not limited to, risks and uncertainties relating to the Company's ability to develop, market and sell products based on its technology; the expected benefits and efficacy of the Company's products and technology; the market acceptance of the Company's products; and the Company's business, research, product development, regulatory approval, marketing and distribution plans and strategies. These and other factors are identified and described in more detail in our filings with the SEC, including our prospectus supplement filed with the SEC on November 27, 2013 and our transition report on Form 10-KT filed with the SEC on May 24, 2013 as well as our other filings with the Securities and Exchange Commission. You should not place undue reliance on these forward-

looking statements, which speak only as of the date that they were made. These cautionary statements should be considered with any written or oral forward-looking statements that we may issue in the future. Except as required by applicable law, including the securities laws of the United States, we do not intend to update any of the forward-looking statements to conform these statements to reflect actual results, later events or circumstances or to reflect the occurrence of unanticipated events.

SOURCE Organovo Holdings, Inc.

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