# UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

## **SCHEDULE 14A**

Proxy Statement Pursuant to Section 14(a) of the Securities Exchange Act of 1934 (Amendment No. )

Filed by	y the Registrant ⊠	Filed by a Party other than the Registrant $\square$				
Check 1	the appropriate box:					
	Preliminary Proxy Statement					
	Confidential, for Use of the Commission Only (as permitted by Rule 14a-6(e)(2))					
	Definitive Proxy Statement					
$\boxtimes$	Definitive Additional Materials					
	Soliciting Material under §240.14a-12					
		Organovo Holdings, Inc. (Name of Registrant as Specified In Its Charter)				
		Not Applicable (Name of Person(s) Filing Proxy Statement, if other than the Registrant)				
Paymer	nt of Filing Fee (Check all boxes tha	t apply):				
$\boxtimes$	No fee required.					
	Fee paid previously with prelin	ninary materials.				
	Fee computed on table in exhibit required by Item 25(b) per Exchange Act Rules 14a-6(i)(1) and 0-11.					

ORGANOVO HOLDINGS, INC. 11555 SORRENTO VALLEY ROAD, SUITE 100 SAN DIEGO, CA 92121



# **VOTE BY INTERNET**Before The Meeting - Go to <u>www.proxyvote.com</u> or scan the QR Barcode above

Use the Internet to transmit your voting instructions and for electronic delivery of information up until 11:59 p.m. Eastern Time on September 6, 2022. Have your proxy card in hand when you access the veb site and follow the instructions to obtain your records and to create an electronic voting instruction form.

 $\textit{During The Meeting -} \textbf{Go to } \underline{\textbf{www.virtualshareholdermeeting.com/ONVO2022}}$ 

You may attend the meeting via the Internet and vote during the meeting. Have the information that is printed in the box marked by the arrow available and follow the instructions.

VOTE BY PHONE -1-800-690-6903
Use any touch-tone telephone to transmit your voting instructions up until 11:59 pm. Eastern Time September 6, 2022. Have your proxy card in hand when you call and then follow the instructions.

VOTE BY MAIL.

Mark, sign and date your proxy card and return it in the postage paid envelope we have provided or return it to Vote Processing, c/o Broadridge, 51 Mercedes Way, Edgewood, NY 11717.

VOTE,	, MARK BLOCKS BELOW IN BLUE OR BLACK	INK AS FOLLOWS:		D88939-P76238	KEEP THIS PORTI	ON FOR YC	OUR RECOR
		THIS PROXY CARD	IS VALID ONLY	WHEN SIGNED AND DATED.	DETACH AND RET	URN THIS PO	ORTION ON
ORGAN	NOVO HOLDINGS, INC.						
	e Board of Directors recommends yo	u vote FOR				_	
1.	To elect each of Douglas Jay Cohen and D a Class II director to hold office until the Meeting of Stockholders and until his respe- is elected and qualified.	avid Gobel as 2025 Annual tive successor					ı
	Nominees:	For	Withhold				
	1a. Douglas Jay Cohen	0	0				
	1b. David Gobel	0	0				
The	Board of Directors recommends you vo	te FOR proposals 2, 3 and	14.		Fe	or Against	Abstain
2.	To ratify the appointment of Mayer Ho March 31, 2023.	ffman McCann P.C. as ou	ur independent re	egistered public accounting firm for the fis	cal year ending	) 0	0
3.	To approve, on an advisory basis, the com	pensation of our named exe	ecutive officers.			) 0	
4.	To approve the Organovo Holdings, Inc. 2	022 Equity Incentive Plan.			C	ם כ	0
NO.	TE: In their discretion, the proxies are authori	zed to vote upon such other	r business as may p	properly come before the meeting or any adjou	ırnment thereof.		
pers	ase sign exactly as your name(s) appear(s) h ninistrator, or other fiduciary, please give full sonally. All holders must sign. If a corporatior partnership name by authorized officer.	ereon. When signing as att title as such. Joint owners : or partnership, please sign	orney, executor, should each sign in full corporate				

You are cordially invited to attend our 2022 Annual Meeting of Stockholders, to be held virtually via live webcast at www.virtualshareholdermeeting.com/ONVO2022 at 9:00 a.m. Pacific Time on September 7, 2022.

Important Notice Regarding the Availability of Proxy Materials for the Annual Meeting:
The Notice and Proxy Statement and Annual Report are available at www.proxyvote.com.

D88940-P76238

#### ORGANOVO HOLDINGS, INC. Annual Meeting of Stockholders September 7, 2022, 9:00 a.m. Pacific Time This proxy is solicited by the Board of Directors

The undersigned hereby appoints Keith Murphy and Torn Jurgensen, or either of them, as proxies, each with the power to appoint his substitute, and hereby authorizes them to represent and to vote, as designated on the reverse side of this proxy, all of the shares of Common Stock of ORGANOVO HOLDINGS, INC. that the undersigned is entitled to vote at the Annual Meeting of Stockholders to be held at 9:00 a.m. Pacific Time on September 7, 2022, via live webcast at www.virtualshareholdermeeting.com/ONVO2022 and any adjournment or postponement thereof.

THIS PROXY, WHEN PROPERLY EXECUTED, WILL BE VOTED IN THE MANNER DIRECTED HEREIN. IF NO SUCH DIRECTION IS MADE, THIS PROXY WILL BE VOTED "FOR" THE NOMINEES FOR THE BOARD OF DIRECTORS LISTED IN PROPOSAL 1 ON THE REVERSE SIDE AND "FOR" PROPOSALS 2, 3 AND 4.

Continued and to be signed on reverse side



ORGANOVO HOLDINGS, INC.

2022 Annual Meeting Vote by September 6, 2022 11:59 PM ET



ORGANOVO HOLDINGS, INC. 11555 SORRENTO VALLEY ROAD, SUITE 100 SAN DIEGO, CA 92121

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## You invested in ORGANOVO HOLDINGS, INC. and it's time to vote!

You have the right to vote on proposals being presented at the Annual Meeting. This is an important notice regarding the availability of proxy material for the stockholder meeting to be held on September 7, 2022.

#### Get informed before you vote

View the Notice and Proxy Statement and Annual Report online OR you can receive a free paper or email copy of the material(s) by requesting prior to August 24, 2022. If you would like to request a copy of the material(s) for this and/or future stockholder meetings, you may (1) visit www.ProxyVote.com, (2) call 1-800-579-1639 or (3) send an email to sendmaterial@proxyvote.com. If sending an email, please include your control number (indicated below) in the subject line. Unless requested, you will not otherwise receive a paper or email copy.



For complete information and to vote, visit www.ProxyVote.com

Control #

#### **Smartphone users**

Point your camera here and vote without entering a control number





### Vote Virtually at the Meeting\*

September 7, 2022 9:00 a.m. Pacific Time

Virtually at: www.virtualshareholdermeeting.com/ONVO2022

<sup>\*</sup>Please check the meeting materials for any special requirements for meeting attendance.

## THIS IS NOT A VOTABLE BALLOT

This is an overview of the proposals being presented at the upcoming stockholder meeting. Please follow the instructions on the reverse side to vote these important matters.

Vo	ing Items	Board Recommends	
1.	To elect each of Douglas Jay Cohen and David Gobel as a Class II director to hold office until the 2025 Annual Meeting		
	of Stockholders and until his respective successor is elected and qualified.		
	Nominees:		
	1a. Douglas Jay Cohen	For	
	1b. David Gobel	For	
2.	To ratify the appointment of Mayer Hoffman McCann P.C. as our independent registered public accounting firm for the fiscal year ending March $31$ , $2023$ .	For	
3.	To approve, on an advisory basis, the compensation of our named executive officers.	For	
4.	To approve the Organovo Holdings, Inc. 2022 Equity Incentive Plan.	For	

Prefer to receive an email instead? While voting on www.ProxyVote.com, be sure to click "Sign up for E-delivery".