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

SCHEDULE 13G

Under the Securities Exchange Act of 1934 (Amendment No. 1)*

		Organovo Holdings, Inc.	
		(Name of Issuer)	-
		Common Stock, \$0.001 par value	
	(Title	of Class of Securities)	-
		68620A203	
		(CUSIP Number) December 31, 2020	-
	(Date of Event W	hich Requires Filing of this Statement)	-
	ck the appropriate box to desedule is filed:	ignate the rule pursuant to which this	
	[X] Rule 13d-1(b)		
	[_] Rule 13d-1(c)		
	[_] Rule 13d-1(d)		
ini and	itial filing on this form wit	e shall be filled out for a reporting person h respect to the subject class of securities t containing information which would alter rior cover page.	
deem Act of t	ned to be "filed" for the pur of 1934 ("Act") or otherwise	remainder of this cover page shall not be pose of Section 18 of the Securities Exchang subject to the liabilities of that section to all other provisions of the Act (however,	
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	IP NO. 68620A203	13G Page 2 of 8	== Page
	IP NO. 68620A203 NAMES OF REPORTING PERSONS		== Page
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CUSI (1)	NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS Renaissance Technologies L CHECK THE APPROPRIATE BOX I (a) [_] (b) [_]	. OF ABOVE PERSONS (entities only). LC 26-0385758 F A MEMBER OF A GROUP (SEE INSTRUCTIONS):	== Page
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5.36 %

(12) TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)

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Item 1.

(a) Name of Issuer

Organovo Holdings, Inc.

(b) Address of Issuer's Principal Executive Offices.

440 Stevens Ave, Suite 200, Solana Beach, CA 92075

Item 2.

(a) Name of Person Filing:

This Schedule 13G is being filed by Renaissance Technologies LLC ("RTC") and Renaissance Technologies Holdings Corporation ("RTHC").

(b) Address of Principal Business Office or, if none, Residence.

The principal business address of the reporting persons is:

800 Third Avenue New York, New York 10022

(c) Citizenship.

RTC is a Delaware limited liability company, and RTHC is a Delaware corporation.

(d) Title of Class of Securities.

Common Stock, \$0.001 par value

(e) CUSIP Number.

68620A203

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- Item 3. If this statement is filed pursuant to Rule 13d-1(b) or 13-d-2(b) or (c), check whether the person filing is a:
- (a) [_] Broker or dealer registered under section 15 of the Act.
- (b) [_] Bank as defined in section 3(a)(6) of the Act.

- (e) [x] Investment Adviser in accordance with Sec.240.13d-1(b)(1)(ii)(E).
- (f) $[\]$ Employee Benefit Plan or Endowment Fund in accordance with Sec. 240.13d-1(b)(1)(ii)(F).
- (g) [_] Parent holding company, in accordance with Sec.240.13d-1(b)(1)(ii)(G).
- (h) $[_]$ A savings associations as defined in Section 3(b) of the Federal Deposit Insurance Act.
- (i) [_] A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940.
- (j) [] Group, in accordance with Sec.240.13d-1(b)(1)(ii)(J).

Item 4. Ownership.

(a) Amount beneficially owned.

RTC: 381**,**353

shares shares, comprising the shares beneficially owned 381,353 RTHC: by RTHC, because of RTHC's majority ownership of RTC.

(b) Percent of Class.

RTC: 5.36 % RTHC: 5.36 %

- (c) Number of shares as to which the person has:
 - (i) sole power to vote or to direct the vote:

RTC: 369,003 RTHC: 369,003

Ω

(iii) sole power to dispose or to direct the disposition of:

RTC: 381,353 RTHC: 381,353

(iv) Shared power to dispose or to direct the disposition of:

RTC: 0 RTHC: 0

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Item 5. Ownership of Five Percent or Less of a Class.

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following: []

Item 6. Ownership of More than Five Percent on Behalf of Another Person.

Certain funds and accounts managed by RTC have the right to receive dividends and proceeds from the sale of the securities which are the subject of this report.

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company.

Not applicable

Item 8. Identification and Classification of Members of the Group.

Not applicable

Item 9. Notice of Dissolution of a Group.

Not applicable

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Item 10. Certification

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Date: February 11, 2021

Renaissance Technologies LLC

By: /s/ James S. Rowen
Chief Operating Officer

By: /s/ James S. Rowen Vice President

Attention: Intentional misstatements or omissions of fact constitute Federal criminal violations (See 18 U.S.C. 1001).

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EXHIBIT 99.1

AGREEMENT REGARDING JOINT FILING

UNDER RULE 13D-1(K) OF THE EXCHANGE ACT

In accordance with Rule 13d-1(k) under the Securities Exchange Act of 1934, as amended, each of the undersigned agrees to the filing on behalf of each of a Statement on Schedule 13G, and all amendments thereto, with respect to the shares of Common Stock, \$0.001 par value of Organovo Holdings, Inc.

Date: February 11, 2021

Renaissance Technologies LLC

By: /s/ James S. Rowen
Chief Operating Officer

Renaissance Technologies Holdings Corporation

By: /s/ James S. Rowen
Vice President

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