

---

---

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

---

**SCHEDULE 14A**  
**(Rule 14a-101)**  
**INFORMATION REQUIRED IN PROXY STATEMENT**  
**SCHEDULE 14A INFORMATION**

**Proxy Statement Pursuant to Section 14(a) of the  
Securities Exchange Act of 1934**

---

Filed by the Registrant

Filed by a party other than the Registrant

Check the appropriate box:

Preliminary Proxy Statement

**Confidential, for Use of the Commission Only** (as permitted by Rule 14a-6(e)(2))

Definitive Proxy Statement

Definitive Additional Materials

Soliciting Material Pursuant to §240.14a-12

**Lantheus Holdings, Inc.**

(Name of Registrant as Specified in its Charter)

**Not applicable.**

(Name of Person(s) Filing Proxy Statement, if other than the Registrant)

Payment of Filing Fee (Check all boxes that apply):

No fee required.

Fee paid previously with preliminary materials.

Fee computed on table in exhibit required by Item 25(b) per Exchange Act Rules 14a-6(i)(1) and 0-11.

---

---

**Lantheus Holdings, Inc.**  
**Important Notice Regarding the Availability of Proxy  
Materials**

**Stockholders Meeting to be held on April 28, 2022  
For Stockholders of record as of March 01, 2022**

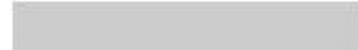
**This communication presents only an overview of the more complete proxy materials that are available to you on the Internet. This is not a ballot. You cannot use this notice to vote your shares. We encourage you to access and review all of the important information contained in the proxy materials before voting.**

**To view the proxy materials, and to obtain directions to attend the meeting, go to: [www.proxydocs.com/LNTH](http://www.proxydocs.com/LNTH)**

**To vote your proxy while visiting this site, you will need the 12 digit control number in the box below.**

Under United States Securities and Exchange Commission rules, proxy materials do not have to be delivered in paper. Proxy materials can be distributed by making them available on the internet.

**CONTROL NUMBER**



**For a convenient way to view proxy materials and VOTE go to  
[www.proxydocs.com/LNTH](http://www.proxydocs.com/LNTH)**

**Have the 12 digit control number located in the shaded box above available when you access the website and follow the instructions.**

*If you want to receive a paper or e-mail copy of the proxy material, you must request one. There is no charge to you for requesting a copy. In order to receive a paper package in time for this year's meeting, you must make this request on or before April 18, 2022.*

**To order paper materials, use one of the following methods.**



**INTERNET**  
**[www.investorelections.com/LNTH](http://www.investorelections.com/LNTH)**



**TELEPHONE**  
**(866) 648-8133**



**\* E-MAIL**  
**[paper@investorelections.com](mailto:paper@investorelections.com)**

When requesting via the Internet or telephone you will need the 12 digit control number located in the shaded box above.

\* If requesting material by e-mail, please send a blank e-mail with the 12 digit control number (located above) in the subject line. No other requests, instructions OR other inquiries should be included with your e-mail requesting material.

**Lantheus Holdings, Inc.**

**Meeting Type:** Annual Meeting of Stockholders

**Date:** Thursday, April 28, 2022

**Time:** 10:00 AM, Eastern Time

**Place:** Wellesley Room at the Hilton Boston Logan Airport Hotel  
One Hotel Drive, Boston, MA 02128

**To attend virtually you must pre-register online at [www.proxydocs.com/LNTH](http://www.proxydocs.com/LNTH).**

**SEE REVERSE FOR FULL AGENDA**

---

# Lantheus Holdings, Inc.

## Annual Meeting of Stockholders

### THE BOARD OF DIRECTORS RECOMMENDS A VOTE:

FOR ON PROPOSALS 1, 2, 3 AND 4

AGAINST ON PROPOSAL 5

#### PROPOSAL

#### The Board of Directors recommends you vote FOR the following nominees:

1. Election of three Class I directors to our Board of Directors:
  - 1.01 Mary Anne Heino
  - 1.02 Dr. Gérard Ber
  - 1.03 Samuel Leno

#### The Board of Directors recommends you vote FOR the following proposal:

2. The approval, on an advisory basis, of the compensation paid to our named executive officers (commonly referred to as “say on pay”).

#### The Board of Directors recommends you vote FOR the following proposal:

3. The approval of an amendment to the Lantheus Holdings, Inc. 2015 Equity Incentive Plan to increase the number of Shares reserved for issuance thereunder.

#### The Board of Directors recommends you vote FOR the following proposal:

4. The ratification of the appointment of Deloitte & Touche LLP as our independent registered public accounting firm for the fiscal year ending December 31, 2022.

#### The Board of Directors recommends you vote AGAINST the following proposal:

5. The stockholder proposal regarding proxy access.