

Lantheus Holdings, Inc.
 Form 4
 November 23, 2016

FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
 Washington, D.C. 20549

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

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. Name and Address of Reporting Person *
 Avista Capital Partners GP, LLC

2. Issuer Name and Ticker or Trading Symbol
 Lantheus Holdings, Inc. [LNTH]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)

3. Date of Earliest Transaction (Month/Day/Year)
 11/21/2016

___ Director ___X___ 10% Owner
 ___ Officer (give title below) ___ Other (specify below)

C/O AVISTA CAPITAL HOLDINGS, L.P., 65 EAST 55TH STREET, 18TH FLOOR

(Street)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)
 ___ Form filed by One Reporting Person
 X Form filed by More than One Reporting Person

NEW YORK, NY 10022

(City) (State) (Zip)

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

| 1. Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) | 4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|---|
| | | | | (A) or (D) | Price | | |
| | | | | Code | V | Amount | |
| Common Stock | 11/21/2016 | | S | 1,424,399 | D | \$ 9 8,713,673 | I See footnote (1) |
| Common Stock | 11/21/2016 | | S | 375,601 | D | \$ 9 2,297,718 | I See footnote (2) |
| Common Stock | 11/21/2016 | | S | 700,000 | D | \$ 9 4,282,208 | I See footnote (3) |

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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(9-02)

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

| 1. Title of Derivative Security (Instr. 3) | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) | 8. Price of Derivative Security (Instr. 5) | 9. Number of Derivative Securities Beneficially Owned (Instr. 5) |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|--|--|
|--|--|--------------------------------------|--|--------------------------------|---|--|---|--|--|

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|---|---------------|-----------|---------|-------|
| | Director | 10% Owner | Officer | Other |
| Avista Capital Partners GP, LLC C/O AVISTA CAPITAL HOLDINGS, L.P. 65 EAST 55TH STREET, 18TH FLOOR NEW YORK, NY 10022 | | X | | |
| Avista Capital Partners, L.P. 65 EAST 55TH STREET 18TH FLOOR NEW YORK, NY 10022 | | X | | |
| Avista Capital Partners (Offshore), L.P. 65 EAST 55TH STREET 18TH FLOOR NEW YORK, NY 10022 | | X | | |
| ACP-Lantern Co-Invest, LLC 65 EAST 55TH STREET 18TH FLOOR NEW YORK, NY 10022 | | X | | |

Signatures

Avista Capital Partners GP, LLC, By: /s/ Ben Silbert

11/21/2016

__Signature of Reporting Person

Date

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Avista Capital Partners, L.P., By: Avista Capital Partners GP, LLC, its General Partner, By: /s/ Ben Silbert 11/21/2016

__Signature of Reporting Person Date

Avista Capital Partners (Offshore), L.P., By: Avista Capital Partners GP, LLC, its General Partner, By: /s/ Ben Silbert 11/21/2016

__Signature of Reporting Person Date

ACP-Lantern Co-Invest, LLC, By: Avista Capital Partners GP, LLC, its Manager, By: /s/ Ben Silbert 11/21/2016

__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) Represents shares of the Issuer held by Avista Capital Partners, L.P. ("ACP"). Avista Capital Partners GP, LLC ("ACP GP") is the general partner of ACP. By virtue of this relationship, ACP GP may be deemed to share voting and dispositive power with respect to the shares of common stock held by ACP. Each of ACP GP and ACP expressly disclaims beneficial ownership of any such securities, except to the extent of its pecuniary interest therein.
 - (2) Represents shares of the Issuer held by Avista Capital Partners (Offshore), L.P. ("ACP Offshore"). ACP GP is the general partner of ACP Offshore. By virtue of this relationship, ACP GP may be deemed to share voting and dispositive power with respect to the shares of common stock held by ACP Offshore. Each of ACP GP and ACP Offshore expressly disclaims beneficial ownership of any such securities, except to the extent of its pecuniary interest therein.
 - (3) Represents shares of the Issuer held by ACP-Lantern Co-Invest, LLC ("ACP Co-Invest"). ACP GP is the manager of ACP Co-Invest. By virtue of this relationship, ACP GP may be deemed to share voting and dispositive power with respect to the shares of common stock held by ACP Co-Invest. Each of ACP GP and ACP Co-Invest expressly disclaims beneficial ownership of any such securities, except to the extent of its pecuniary interest therein.

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.