

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* <u>Avista Capital Partners GP, LLC</u>			2. Issuer Name and Ticker or Trading Symbol <u>Lantheus Holdings, Inc. [LNTX]</u>			5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director <input checked="" type="checkbox"/> 10% Owner Officer (give title below) Other (specify below)			
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) <u>08/14/2017</u>			6. Individual or Joint/Group Filing (Check Applicable Line) Form filed by One Reporting Person <input checked="" type="checkbox"/> Form filed by More than One Reporting Person			
<u>AVISTA CAPITAL HOLDINGS, L.P.</u> <u>65 E. 55TH STREET, 18TH FLOOR</u>			4. If Amendment, Date of Original Filed (Month/Day/Year)						
(Street)	(City)	(State)	(Zip)						
<u>NEW YORK</u>	<u>NY</u>	<u>10022</u>							
(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)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	08/14/2017		S		64,646	D	\$17.29 ⁽¹⁾	3,521,192	I	See footnote ⁽³⁾
Common Stock	08/14/2017		S		11,012	D	\$18.05 ⁽²⁾	3,510,180	I	See footnote ⁽³⁾
Common Stock	08/14/2017		S		10,493	D	\$17.29 ⁽¹⁾	935,060	I	See footnote ⁽⁴⁾
Common Stock	08/14/2017		S		1,788	D	\$18.05 ⁽²⁾	933,272	I	See footnote ⁽⁴⁾
Common Stock	08/14/2017		J		2,785,709	D	\$17.15	724,471	I	See footnotes ⁽³⁾⁽⁵⁾
Common Stock	08/14/2017		J		815,672	D	\$17.15	117,600	I	See footnotes ⁽⁴⁾⁽⁶⁾
Common Stock	08/14/2017		J		1,762,208	D	\$17.15	0	I	See footnote ⁽⁷⁾
Common Stock	08/15/2017		S		35,084	D	\$17.06 ⁽⁸⁾	765,045	I	See footnote ⁽³⁾
Common Stock	08/15/2017		S		5,695	D	\$17.06 ⁽⁸⁾	124,186	I	See footnote ⁽⁴⁾
Common Stock	08/16/2017		S		10,434	D	\$17.05 ⁽⁹⁾	754,611	I	See footnote ⁽³⁾
Common Stock	08/16/2017		S		1,694	D	\$17.05 ⁽⁹⁾	122,492	I	See footnote ⁽⁴⁾

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 Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date					

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

(Last) (First) (Middle)

AVISTA CAPITAL HOLDINGS, L.P.
65 E. 55TH STREET, 18TH FLOOR

(Street)
NEW YORK NY 10022

(City) (State) (Zip)

1. Name and Address of Reporting Person*
Avista Capital Partners, L.P.

(Last) (First) (Middle)

65 EAST 55TH STREET
18TH FLOOR

(Street)
NEW YORK NY 10022

(City) (State) (Zip)

1. Name and Address of Reporting Person*
Avista Capital Partners (Offshore), L.P.

(Last) (First) (Middle)

65 EAST 55TH STREET
18TH FLOOR

(Street)
NEW YORK NY 10022

(City) (State) (Zip)

1. Name and Address of Reporting Person*
ACP-Lantern Co-Invest, LLC

(Last) (First) (Middle)

65 EAST 55TH STREET
18TH FLOOR

(Street)
NEW YORK NY 10022

(City) (State) (Zip)

Explanation of Responses:

1. The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$17.00 to \$17.98, inclusive. The Reporting Person undertakes to provide to Lantheus Holdings, Inc., any security holder of Lantheus Holdings, Inc., or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price within the ranges set forth in footnotes (1), (2), (8) and (9) to this Form 4.
2. The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$18.00 to \$18.18, inclusive.
3. 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.
4. 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.
5. On August 14, 2017, ACP distributed 2,785,709 shares of common stock to one or more members or partners.
6. On August 14, 2017, ACP Offshore distributed 815,672 shares of common stock to one or more members or partners.
7. 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. On August 14, 2017, ACP Co-Invest distributed 1,762,208 shares of common stock to one or more members or partners.
8. The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$17.00 to \$17.45, inclusive.
9. The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$17.00 to \$17.20, inclusive.

Remarks:

Avista Capital Partners GP,
LLC, By: /s/ John Cafasso 08/16/2017

Avista Capital Partners, L.P.,
By: Avista Capital Partners GP,
LLC, its General Partner, By:
/s/ John Cafasso 08/16/2017

Avista Capital Partners
(Offshore), L.P., By: Avista
Capital Partners GP, LLC, its
General Partner, By: /s/ John
Cafasso 08/16/2017

[ACP-Lantern Co-Invest, LLC, 08/16/2017](#)
[By: Avista Capital Partners GP,](#)
[LLC, its Manager, By: /s/ John](#)
[Cafasso](#)

** Signature of Reporting Person Date

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

* 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.