

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**

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>  (Last) (First) (Middle) <u>AVISTA CAPITAL HOLDINGS, L.P.</u> <u>65 E. 55TH STREET, 18TH FLOOR</u>  (Street) <u>NEW YORK NY 10022</u>  (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>Lantheus Holdings, Inc. [ LNTH ]</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)
	3. Date of Earliest Transaction (Month/Day/Year) <u>05/09/2017</u>	
4. If Amendment, Date of Original Filed (Month/Day/Year)		

**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	05/09/2017		S		1,709,278	D	\$13.4	5,295,117	I	See footnote <sup>(1)</sup>
Common Stock	05/09/2017		S		450,722	D	\$13.4	1,396,274	I	See footnote <sup>(2)</sup>
Common Stock	05/09/2017		S		840,000	D	\$13.4	2,602,208	I	See footnote <sup>(3)</sup>

**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* <u>Avista Capital Partners GP, LLC</u>  (Last) (First) (Middle) <u>AVISTA CAPITAL HOLDINGS, L.P.</u> <u>65 E. 55TH STREET, 18TH FLOOR</u>  (Street) <u>NEW YORK NY 10022</u>  (City) (State) (Zip)
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1. Name and Address of Reporting Person*		
<a href="#">Avista Capital Partners, L.P.</a>		
(Last)	(First)	(Middle)
65 EAST 55TH STREET 18TH FLOOR		
(Street)		
NEW YORK	NY	10022
(City)	(State)	(Zip)

  

1. Name and Address of Reporting Person*		
<a href="#">Avista Capital Partners (Offshore), L.P.</a>		
(Last)	(First)	(Middle)
65 EAST 55TH STREET 18TH FLOOR		
(Street)		
NEW YORK	NY	10022
(City)	(State)	(Zip)

  

1. Name and Address of Reporting Person*		
<a href="#">ACP-Lantern Co-Invest, LLC</a>		
(Last)	(First)	(Middle)
65 EAST 55TH STREET 18TH FLOOR		
(Street)		
NEW YORK	NY	10022
(City)	(State)	(Zip)

**Explanation of Responses:**

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.

**Remarks:**

[Avista Capital Partners GP, LLC, By: /s/ Ben Silbert,](#) [05/09/2017](#)

[Avista Capital Partners, L.P., By: Avista Capital Partners GP, LLC, its General Partner, By: /s/ Ben Silbert](#) [05/09/2017](#)

[Avista Capital Partners \(Offshore\), L.P., By: Avista Capital Partners GP, LLC, its General Partner, By: /s/ Ben Silbert](#) [05/09/2017](#)

[ACP-Lantern Co-Invest, LLC, By: Avista Capital Partners GP, LLC, its Manager, By: /s/ Ben Silbert](#) [05/09/2017](#)

\*\* 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.**