

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

OMB APPROVAL	
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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>Lantheus Alpha Therapy, LLC</u> <hr/> (Last) (First) (Middle) 201 BURLINGTON ROAD, SOUTH BUILDING <hr/> (Street) BEDFORD MA 01730 <hr/> (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) 01/22/2024	3. Issuer Name and Ticker or Trading Symbol <u>Perspective Therapeutics, Inc.</u> [CATX]	
		4. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director <input checked="" type="checkbox"/> 10% Owner Officer (give title below) Other (specify below)	5. If Amendment, Date of Original Filed (Month/Day/Year) <hr/> 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

Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	56,342,355	D ⁽¹⁾	

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

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)		4. Conversion or Exercise Price of Derivative Security	5. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares			

1. Name and Address of Reporting Person*
Lantheus Alpha Therapy, LLC

 (Last) (First) (Middle)
 201 BURLINGTON ROAD, SOUTH BUILDING

 (Street)
 BEDFORD MA 01730

 (City) (State) (Zip)

1. Name and Address of Reporting Person*
Lantheus Holdings, Inc.

 (Last) (First) (Middle)
 201 BURLINGTON ROAD, SOUTH BUILDING

 (Street)
 BEDFORD MA 01730

 (City) (State) (Zip)

Explanation of Responses:

1. Represents securities directly held by Lantheus Alpha Therapy, LLC ("Lantheus"), a wholly owned direct subsidiary of Lantheus Holdings, Inc. ("Lantheus Holdings"). Under SEC rules and regulations, Lantheus Holdings may be deemed to have indirect beneficial ownership of the shares held by Lantheus, which has direct beneficial ownership.

Chief Administrative
Officer and General
Counsel, Lantheus
/s/ Daniel Niedzwiecki,
Chief Administrative
Officer and General
Counsel, Lantheus
Holdings

02/01/2024

** 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 5 (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.