

| OMB APPROVAL | |
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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>Lantheus Alpha Therapy, LLC</u> <hr/> (Last) (First) (Middle) 201 BURLINGTON ROAD, SOUTH BUILDING <hr/> (Street) BEDFORD MA 01730 <hr/> (City) (State) (Zip) | 2. Issuer Name and Ticker or Trading Symbol <u>Perspective Therapeutics, Inc. [CATX]</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) 03/06/2024 | |
| 4. If Amendment, Date of Original Filed (Month/Day/Year) | | |
| Rule 10b5-1(c) Transaction Indication <input checked="" type="checkbox"/> Check this box to indicate that a transaction was made pursuant to a contract, instruction or written plan that is intended to satisfy the affirmative defense conditions of Rule 10b5-1(c). See Instruction 10. | | |

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 | 03/06/2024 | | P ⁽¹⁾ | | 60,431,039 | A | \$0.95 | 116,773,394 | D ⁽¹⁾ | | |

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 | | Date Exercisable | Expiration Date | | | | | |

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.

/s/ Daniel Niedzwiecki Chief
 Administrative Officer and 03/08/2024
 General Counsel, Lantheus
 /s/ Daniel Niedzwiecki Chief 03/08/2024
 Administrative Officer and

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.