

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

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>Kauffman Michael</u> (Last) (First) (Middle) <u>C/O KARYOPHARM THERAPEUTICS INC.</u> <u>85 WELLS AVENUE</u> (Street) <u>NEWTON MA 02459</u> (City) (State) (Zip) | 2. Issuer Name and Ticker or Trading Symbol <u>Karyopharm Therapeutics Inc. [KPTI]</u> | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <u>Chief Executive Officer</u> |
| | 3. Date of Earliest Transaction (Month/Day/Year) <u>10/08/2018</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 | 10/08/2018 | | M ⁽¹⁾ | | 1,764 | A | \$0.033 | 715,274 | I | By Spouse |
| Common Stock | 10/08/2018 | | M ⁽¹⁾ | | 10,736 | A | \$0.033 | 726,010 | I | By Spouse |
| Common Stock | 10/08/2018 | | S ⁽¹⁾ | | 6,500 | D | \$15.3947 ⁽²⁾ | 719,510 | I | By Spouse |
| Common Stock | 10/08/2018 | | S ⁽¹⁾ | | 6,000 | D | \$16.1278 ⁽³⁾ | 713,510 | I | By Spouse |
| Common Stock | | | | | | | | 512,143 | D | |
| Common Stock | | | | | | | | 47,309 | I | By GRAT ⁽⁴⁾ |
| Common Stock | | | | | | | | 47,309 | I | By Spouse's GRAT ⁽⁵⁾ |

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 | | | | | | Title |
| Stock Option (right to buy) | \$0.033 | 10/08/2018 | | M ⁽¹⁾ | | | 1,764 | (6) | 10/21/2020 | Common Stock | 1,764 | \$0.00 | 0 | I | By Spouse |
| Stock Option (right to buy) | \$0.033 | 10/08/2018 | | M ⁽¹⁾ | | | 10,736 | (6) | 10/21/2020 | Common Stock | 10,736 | \$0.00 | 52,857 | I | By Spouse |

Explanation of Responses:

1. These transactions were effected pursuant to a Rule 10b5-1 trading plan adopted by the spouse of the reporting person.

2. Represents the weighted average sale price. These shares were sold in multiple transactions at prices ranging from \$15.00 to \$15.99, inclusive. The reporting person undertakes to provide upon request by the U.S. Securities and Exchange Commission staff, the issuer or a security holder of the issuer, full information regarding the number of shares sold at each separate price.
3. Represents the weighted average sale price. These shares were sold in multiple transactions at prices ranging from \$16.02 to \$16.26, inclusive. The reporting person undertakes to provide upon request by the U.S. Securities and Exchange Commission staff, the issuer or a security holder of the issuer, full information regarding the number of shares sold at each separate price.
4. These shares are held by the Michael G. Kauffman 2016 Qualified Annuity Interest Trust.
5. These shares are held by the Sharon Shacham 2016 Qualified Annuity Interest Trust.
6. This option, representing a right to purchase a specified number of shares, vested as to 25% of the shares on October 22, 2011, and the remaining 75% vested in 36 equal monthly installments thereafter.

Remarks:

/s/ Christopher B. Primiano,
Attorney-in-Fact for Michael 10/09/2018
G. Kauffman

** 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.