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FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

| 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

| OMB APPROVAL | | | | | |
|---------------------|-----------|--|--|--|--|
| OMB Number: | 3235-0287 | | | | |
| Estimated average b | urden | | | | |

| hours pe | r response: | 0.5 |
|----------|------------------|-----|
| Estimate | d average burden | |

| 1. Name and Address of Reporting Person [*] EMSTER KURT VON | | | 2. Issuer Name and Ticker or Trading Symbol <u>CRISPR Therapeutics AG</u> [CRSP] | (Checl | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) | | | | | |
|---|-----------------------------|-------|--|-------------------|--|--------------------------|--|--|--|--|
| | | | | X | Director | 10% Owner | | | | |
| | O CRISPR THERAPEUTICS, INC. | | 3. Date of Earliest Transaction (Month/Day/Year) 12/17/2018 | | Officer (give title below) | Other (specify below) | | | | |
| 610 MAIN STREET | | | 4. If Amendment, Date of Original Filed (Month/Day/Year) | 6. Indiv Line) | vidual or Joint/Group Filin | g (Check Applicable | | | | |
| (Street) | | | | X | Form filed by One Rep | orting Person | | | | |
| CAMBRIDGE | MA | 02139 | | | Form filed by More tha Person | n One Reporting | | | | |
| (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. | ction | Disposed Of (D) (Instr. 3, 4 and 5) | | | d 5) 5. Amount of Securities Form: Direct Beneficially Owned Following (I) (Instr. 4) Reported | | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
|---------------------------------|--|---|------|-------|-------------------------------------|---------------|-----------------------------|--|---|---|
| | | | Code | v | Amount | (A) or (D) | Price | Transaction(s) (Instr. 3 and 4) | | (1150.4) |
| Common Shares | 12/17/2018 | | S | | 3,009 | D | \$33.1662(1)(2) | 1,234,193 | Ι | See Footnote ⁽³⁾⁽⁴⁾ |
| Common Shares | 12/18/2018 | | s | | 69,925 | D | \$29.7047 ⁽⁵⁾⁽²⁾ | 1,164,268 | I | See Footnote ⁽³⁾⁽⁴⁾ |

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (a. r. nuts. colla unarrows antions convertible acquirities)

(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. Transa Code (8) | | | | 6. Date Exerc Expiration Da (Month/Day/Y | 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 | and 5 (A) | ,) (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | | | | |

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 \$33.03 to \$33.29 per share, inclusive

2. The Reporting Person undertakes to provide to Issuer any security holder of Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares purchased at each separate price within the ranges set forth herein.

3. Shares are held by ABV VI. Abingworth LLP is the investment manager of ABV VI and has been delegated with all investment and dispositive power over the securities held by ABV VI. Reporting Person is a member of the investment committee of Abingworth LLP, which approves investment and voting decisions by a majority vote, and no individual member has the sole control or voting power over the shares held by ABV VI.

4. From time to time, the investment committee may delegate investment and voting authority over certain securities held by ABV VI and ABE to employees of Abingworth subject to the supervision and oversight of the investment committee, including any limits on such authority imposed by the investment committee in its discretion and the right of the investment committee to revoke such authority at any time. The Reporting Person disclaims beneficial ownership of such shares, except to the extent of his pecuniary interest therein, if any.

5. The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$29.18 to \$30.62 per share, inclusive.

| <u>/s/ John Heard, as attorney-in-</u> | 12/19/2018 |
|--|------------|
| fact | 12/13/2010 |
| ** 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.