FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

| Washington,  | D C  | 20540 |
|--------------|------|-------|
| wasiiiigton, | D.C. | 20049 |

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

| OMB APPROVAL             |           |  |  |  |  |  |  |  |  |
|--------------------------|-----------|--|--|--|--|--|--|--|--|
| OMB Number:              | 3235-0287 |  |  |  |  |  |  |  |  |
| Estimated average burden |           |  |  |  |  |  |  |  |  |
| hours per response:      | 0.5       |  |  |  |  |  |  |  |  |

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   | r Sect  | ion 30                  | (n) or the I       | investme  | ent Co                   | ompany Act                                      | ot 1940  |   |                   |   |   |                                  |  |  |
|--|---|--|---|------------|--|---|-------------------------|--------------------|---|--------------------------|---|--|---|-------------------|---|---|----------------------------------|--|--|
| Name and Address of Reporting Person*     Novak Rodger |   |  |   |            |  | 2. Issuer Name and Ticker or Trading Symbol CRISPR Therapeutics AG [ CRSP ] |                         |                    |   |                          |   |  |   |                   | tionship of Reportin<br>all applicable)<br>Director |   | ng Person(s) to Issue<br>10% Own |  |  |
|  | ,   | RAPEUTICS, IN                              | (Middle)                                      |            | 3. Date of Earliest Transaction (Month/Day/Year) 09/01/2020  X Officer (give title below) President  Other (specify below) President |   |                         |                    |   |                          |   |  |   |                   |   |   |                                  |  |  |
| (Street) CAMBR (City)                                  |   |  | 02139<br>(Zip)                                |            | -   4. I<br>-  | If Am   | endme                   | nt, Date o         | f Origina   | al File                  | d (Month/Da                                     | ıy/Year)   |   | . Indivine)       |   |   |                                  |  |  |
| (City)   | (0  | ,  |   | n Dori     | vativ  | o Sc  | Curi                    | tion Acc           | nuirod  | Di                       | enoeod o  | f or Bo  | nofici                                    | ally (            | Ownod   |   |                                  |  |  |
| 1. Title of Security (Instr. 3) 2. Tra                 |   |  | 2. Trans<br>Date                              | ansaction  |  | 2A. Deemed<br>Execution Date,   |                         | Transaction Dispos |   | 4. Securitie             | ities Acquired (A) o<br>d Of (D) (Instr. 3, 4 a |  | r 5. Amou<br>Securiti<br>Benefic<br>Owned |                   | es<br>ally<br>Following                             | 6. Ownership<br>Form: Direct<br>(D) or Indirect<br>(I) (Instr. 4)                         |                                  | 7. Nature<br>of Indirect<br>Beneficial<br>Ownership                      |  |
|  |   |  |   |            | Code   |   |                         | v                  | Amount  | (A) or<br>(D)            | Price   | Reporte<br>Transac<br>(Instr. 3  |   | ction(s)          |   |   | (Instr. 4)                       |  |  |
| Common Shares  |   |  | 09/01   | 1/2020     | )  |   |                         | М                  |   | 3,933                    | A   | \$1  | 4   | 651,940           |   |   | D                                |  |  |
| Common Shares  |   |  | 09/01   | 09/01/2020 |  |   |                         | М                  |   | 21,067                   | A   | \$14.  | .43                                       | 673,007           |   |   | D                                |  |  |
| Common   | Shares  |  |   | 09/01      | 1/2020   | )   |                         |                    | <b>S</b> <sup>(1)</sup>                           |                          | 1,406   | D  | \$91.5                                    | 54(2)             | 671,601   |   |                                  | D  |  |
| Common Shares 09/0                                     |   |  |   |            | 1/2020   | 2020  |                         |                    | <b>S</b> <sup>(1)</sup>                           |                          | 19,754  | D  | \$92.5                                    | 59 <sup>(3)</sup> | 651,847   |   |                                  | D  |  |
| Common Shares 09/01/2                                  |   |  |   | 1/2020     | 2020   |   | <b>S</b> <sup>(1)</sup> |                    | 3,840   | D \$93.19 <sup>(4)</sup> |   | 19(4)  | 648,007                                   |                   |   | D   |                                  |  |  |
|  |   |  | Table II                                      |            |  |   |                         | •                  |   |                          | oosed of,<br>convertil                          |  |   | •                 | wned  |   |                                  |  |  |
| 1. Title of<br>Derivative<br>Security<br>(Instr. 3)    | 2.<br>Conversion<br>or Exercise<br>Price of<br>Derivative<br>Security | 3. Transaction<br>Date<br>(Month/Day/Year) | 3A. Deeme<br>Execution<br>if any<br>(Month/Da | n Date,    | 4.<br>Transa<br>Code (<br>8)   |   |                         |                    | 6. Date Exerci<br>Expiration Dat<br>(Month/Day/Ye |                          | te  | 7. Title and Amo<br>of Securities<br>Underlying<br>Derivative Secu<br>(Instr. 3 and 4) |   | D                 | 3. Price of<br>Derivative<br>Security<br>Instr. 5)  | 9. Number derivative Securities Beneficial Owned Following Reported Transactio (Instr. 4) | s los                            | 10.<br>Ownership<br>Form:<br>Direct (D)<br>or Indirect<br>(I) (Instr. 4) | 11. Nature<br>of Indirect<br>Beneficial<br>Ownership<br>(Instr. 4) |
|  |   |  |   |            | Code   | v   | (A)                     |                    | Date<br>Exercisa                                  | able                     | Expiration<br>Date                              | Title  | Amour<br>or<br>Numbe<br>of<br>Shares      | er                |   |   |                                  |  |  |
| Stock<br>Option<br>(Right to<br>Buy)                   | \$14  | 09/01/2020                                 |   |            | M  |   |                         | 3,933              | (5)   |                          | 10/18/2026                                      | Common<br>Shares   | 3,933                                     | 3                 | \$0.00  | 111,89  | 3                                | D  |  |
| Stock<br>Option<br>(Right to                           | \$14.43   | 09/01/2020                                 |   |            | M  |   |                         | 21,067             | (6)   |                          | 06/15/2027                                      | Common<br>Shares   | 21,06                                     | 57                | \$0.00  | 215,31  | 5                                | D  |  |

## **Explanation of Responses:**

- 1. The sale reported in this Form 4 was effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person.
- 2. The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$90.93 to \$91.805, inclusive. The reporting person undertakes to provide to CRISPR Therapeutics AG, any security holder of CRISPR Therapeutics AG, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price.
- 3. The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$91.99 to \$92.965, inclusive. The reporting person undertakes to provide to CRISPR Therapeutics AG, any security holder of CRISPR Therapeutics AG, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price.
- 4. The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$93.005 to \$93.81, inclusive. The reporting person undertakes to provide to CRISPR Therapeutics AG, any security holder of CRISPR Therapeutics AG, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each
- 5. This option was granted on October 18, 2016 with respect to 200,000 Common Shares and originally vested in 48 equal monthly installments beginning October 31, 2016. Pursuant to Dr. Novak's amended and restated employment agreement with the Company, subject to his continued employment, beginning November 30, 2018, the remaining unvested options from this grant vest in equal monthly installments at the rate of 50% of the amounts originally scheduled to vest on any one vesting date, and the original vesting schedule was extended to reflect the amended schedule.
- 6. This option was granted on June 15, 2017 with respect to 270,000 Common Shares and originally vested in 48 equal monthly installments commencing upon the grant date. Pursuant to Dr. Novak's amended and restated employment agreement with the Company, subject to his continued employment, beginning November 30, 2018, the remaining unvested options from this grant vest in equal monthly installments at the rate of 50% of the amounts originally scheduled to vest on any one vesting date, and the original vesting schedule was extended to reflect the amended schedule.

## Remarks:

/s/ Michael Esposito, attorneyin-fact

09/03/2020

\*\* 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.