FORM 4

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

| Washington, | D.C. | 20549 |
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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934

| OMB APPROVAL | | | | | | | |
|--------------------------|-----|--|--|--|--|--|--|
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| | | | | | or S | ection 3 |)(h) c | of the | Investment (| Compa | any Act | of 1940 | | | | | | | | |
|--|---|--|---|---------------------------------|--|----------|---|--------|--|--------|-----------------|---|--|---|---|---|--------------------|--|---|--|
| 1. Name and Address of Reporting Person* Fleming Harold Edward | | | | | 2. Issuer Name and Ticker or Trading Symbol CRISPR Therapeutics AG [CRSP] | | | | | | | | | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) | | | | | | |
| Ticillii | g <u>11aioiu</u> | Lawara | | | | | | | | | - | • | | X | Directo | or | | 10% Ov | /ner | |
| (Last) | ` | , | (Middle) | | 3. Date of Earliest Transaction (Month/Day/Year) 06/09/2022 | | | | | | | | | Officer below) | (give title | | Other (s below) | pecify | | |
| C/O CRI | SPR THEI | RAPEUTICS, IN | C. | | | | | | | | | | | | | | | | | |
| 610 MAIN STREET | | | | | 4. If Amendment, Date of Original Filed (Month/Day/Year) | | | | | | | | | 6. Individual or Joint/Group Filing (Check Applicable Line) | | | | | | |
| (Street) | | | | | | | | | | | | | ' | X | Form fi | led by One | Repo | orting Person | า | |
| CAMBR | IDGE N | ďΑ | 02139 | | | | | | | | | | Form filed by More than One Reporting Person | | | | | | | |
| (City) | (5 | State) | (Zip) | | | | | | | | | | | | | | | | | |
| | | Tab | ole I - Non | -Deriva | tive | Secur | ities | s Ac | quired, D | ispo | osed o | f, or Be | neficia | illy | Owned | | | | | |
| Date | | | | 2. Transac Date (Month/Da | | Exec | 2A. Deemed Execution Date, if any (Month/Day/Yea | | Code (Instr. 5) | | | ties Acquir I Of (D) (In: | ed (A) or str. 3, 4 ar | nd Securitie Benefici Owned F | | es Formalially (D) (I) (I) | | : Direct r Indirect str. 4) | 7. Nature of Indirect Beneficial Ownership | |
| | | | | | | | | Code | , b | Amount | (A) or (D) P | | , | Reported Transaction(s) (Instr. 3 and 4) | | | | (Instr. 4) | | |
| | | • | Table II - D | | | | | | uired, Dis , options | | | | | | wned | | | | | |
| 1. Title of Derivative Security (Instr. 3) | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Da if any (Month/Day/ | Co | Transaction Code (Instr | | | | 6. Date Exercisable and Expiration Date (Month/Day/Year) | | | 7. Title and Amo of Securities Underlying Derivative Secur (Instr. 3 and 4) | | 8 | . Price of Derivative Security Instr. 5) | 9. Number of derivative Securities Beneficially Owned Following Reported Transaction((Instr. 4) | s Ily | 10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | Beneficial Ownership (Instr. 4) | |
| | | | | Code | de V | / (A) | | (D) | Date Exercisable | | oiration te | Title | Amoun or Numbe of Shares | ber | | | | | | |
| Stock Option | \$71.7 | 06/09/2022 | | A | | 12 | 000 | | (1) | 06/0 | 09/2032 | Common | 12.00 | | \$0.00 | 12,000 | 0 | D | | |

Explanation of Responses:

1. This option was granted on June 9, 2022 with respect to 12,000 Common Shares with 100% of the shares vesting in 12 equal monthly installments beginning on June 30, 2022; provided that the last installment will vest on the earlier of (i) the one year anniversary of the date of grant or (ii) the date of the 2023 Annual General Meeting of Shareholders.

Remarks:

(Right to Buy)

Exhibit 24 - Power of Attorney

/s/ Elizabeth Ryland Waldinger, 06/10/2022 attorney-in-fact

Shares

** 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.

Know all by these presents, that the undersigned hereby constitutes and appoints each of James R. Kasinger, Elizabeth Ryland Waldinger, AJ Silver and Robert E. Puopolo, signing singly, the undersigned's true and lawful attorney-in-fact to:

- (1) execute for and on behalf of the undersigned, in the undersigned's capacity as an officer and/or director of CRISPR Therapeutics AG (the "Company"), (i) Form ID, including any attached documents, to effect the assignment of codes to the undersigned to be used in the transmission of information to the United States Securities and Exchange Commission using the EDGAR System, and (ii) Forms 3, 4, and 5 and amendments thereto in accordance with Section 16(a) of the Securities Exchange Act of 1934, as amended and the rules thereunder;
- (2) do and perform any and all acts for and on behalf of the undersigned which may be necessary or desirable to complete and execute any such Form 3, 4 or 5 and amendments thereto and timely file such for with the United States Securities Exchange and Commission and any stock exchange or similar authority;
- (3) take any other action of any type whatsoever in connection with the foregoing which, in the opinion of such attorney-in-fact, may be of benefit to, in the best interest of, or legally required by, the undersigned, it being understood that the documents executed by such attorney-in-fact on behalf of the undersigned pursuant to this Power of Attorney shall be in such form and shall contain such terms and conditions as such attorney-in-fact may approve in such attorney-in-fact's discretion.

The undersigned hereby grants to each such attorney-in-fact full power and authority to do and perform any and every act and thing whatsoever requisite, necessary, or proper to be done in the exercise of any of the rights and powers herein granted, as fully to all intents and purposes as the undersigned might or could do if personally present, with full power of substitution or revocation, hereby ratifying and confirming all that such attorney-in-fact, or such attorney-in-fact's substitute or substitutes, shall lawfully do or cause to be done by virtue of this Power of Attorney and the rights and powers herein granted. The undersigned acknowledges that the foregoing attorneys-in-fact, in serving in such capacity at the request of the undersigned, are not assuming, nor is the Company assuming, any of the undersigned's responsibilities to comply with Section 16 of the Securities Exchange Act of 1934, as amended. The undersigned hereby agrees to indemnify the attorney-in-fact and the Company from and against any demand, damage, loss, cost or expense arising from any false or misleading information provided by the undersigned to the attorney-in-fact.

This Power of Attorney shall remain in full force and effect until the undersigned is no longer required to file Forms 3, 4 and 5 with respect to the undersigned's holdings of and transactions in securities issued by the Company, unless earlier revoked by the undersigned in a signed writing delivered to the foregoing attorneys-in-fact. This Power of Attorney may be filed with the United States Securities and Exchange Commission as a confirming statement of the authority granted herein. This Power of Attorney superseded any prior power of attorney in connection with the undersigned's capacity as an officer and/or director of the Company. This Power of Attorney shall expire as to any individual attorney-in-fact if such attorney-in-fact ceases to be an executive officer of, or legal counsel to the Company.

IN WITNESS WHEREOF, the undersigned has caused this Power of Attorney to be executed as of June 10, 2022.

/s/ H. Edward Fleming, Jr. Signature

H. Edward Fleming, Jr.

Print Name