

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

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

1. Name and Address of Reporting Person* <u>BAYER AKTIENGESELLSCHAFT</u> <hr/> (Last) (First) (Middle) <u>KAISER WILHEM ALLEE</u> <hr/> (Street) <u>LEVERKUSEN 2M 51368</u> <hr/> (City) (State) (Zip)			2. Issuer Name and Ticker or Trading Symbol <u>CRISPR Therapeutics AG [CRSP]</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) <u>01/05/2018</u>			6. Individual or Joint/Group Filing (Check Applicable Line) Form filed by One Reporting Person <input checked="" type="checkbox"/> Form filed by More than One Reporting Person		
			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 Shares	01/05/2018		P		527,472	A	\$22.75	5,632,802	I	By subsidiary ⁽¹⁾
Common Shares								75,945	I	By subsidiary ⁽²⁾

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)
						Date Exercisable	Expiration Date					

1. Name and Address of Reporting Person*
BAYER AKTIENGESELLSCHAFT

 (Last) (First) (Middle)
KAISER WILHEM ALLEE

 (Street)
LEVERKUSEN 2M 51368

 (City) (State) (Zip)

1. Name and Address of Reporting Person*
Bayer Global Investments B.V.

 (Last) (First) (Middle)
ENERGIEWEG 1, 3641 RT

 (Street)
MIJDRECHT P7

 (City) (State) (Zip)

Explanation of Responses:

- Represents purchase by Bayer Global Investments B.V. ("Bayer BV"). Bayer BV is the Direct Owner of 5,632,802 common shares of CRISPR Therapeutics AG ("CRISPR"). This Form 4 is a joint filing of Bayer BV and Bayer AG. Bayer AG is the 100% Indirect Owner through subsidiaries of the same shares as to which Bayer BV is the Direct Owner.
- Reflects shares of CRISPR received by a subsidiary of Bayer AG as a pro rata distribution from a limited partnership. Bayer AG is the 100% Indirect Owner through subsidiaries of such shares.

Remarks:

/s/ Bayer Aktiengesellschaft by 01/30/2018
Oliver Rittgen

/s/ Bayer Aktiengesellschaft by 01/30/2018
Martina Voelkel

/s/ Bayer Global Investments
B.V. by Cyprianus Hermanus 01/30/2018
Alphonsus

** 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.