

CRISPR Therapeutics AG
 Form 3
 October 18, 2016

FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

OMB Number: 3235-0104
 Expires: January 31, 2015
 Estimated average burden hours per response... 0.5

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,
 Section 17(a) of the Public Utility Holding Company Act of 1935 or Section
 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person * GLAXOSMITHKLINE PLC (Last) (First) (Middle) 980 GREAT WEST ROAD (Street) BRENTFORD MIDDLESEX, X0 TW8 9GS (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) 10/18/2016	3. Issuer Name and Ticker or Trading Symbol CRISPR Therapeutics AG [CRSP]	4. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input type="checkbox"/> Director <input checked="" type="checkbox"/> 10% Owner <input type="checkbox"/> Officer <input type="checkbox"/> Other (give title below) (specify below)	5. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joint/Group Filing(Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person
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Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
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Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly. SEC 1473 (7-02)

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 control number.

Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year) Date Exercisable Expiration Date	3. Title and Amount of Securities Underlying Derivative Security (Instr. 4) Title Amount or Number of Shares	4. Conversion or Exercise Price of Derivative Security	5. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
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Series A-3 Preferred Shares	Â (1)	Â (1)	Common Shares	2,942,560	\$ (1)	I	See explanation of responses (2)
Series B Preferred Shares	Â (1)	Â (1)	Common Shares	211,567	\$ (1)	I	See explanation of responses (2)

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
GLAXOSMITHKLINE PLC 980 GREAT WEST ROAD BRENTFORD MIDDLESEX, X0 TW8 9GS	Â	Â X	Â	Â

Signatures

/s/ Victoria Whyte 10/18/2016

__Signature of Reporting Person Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, *see* Instruction 5(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).
 The Series A-3 Preferred Shares and the Series B Preferred Shares are convertible at any time on a one-for-one basis into common shares of the Issuer ("Common Shares") at the holder's election and are convertible automatically into Common Shares upon the closing of the Issuer's initial public offering. These securities do not have an expiration date.
- (2) The shares reported herein are held of record by S.R. One, Limited, an indirect, wholly-owned subsidiary of GlaxoSmithKline plc (the "Reporting Person").

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *See* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.