

REGULUS THERAPEUTICS INC.

Reported by
RASTETTER WILLIAM H

FORM 4

(Statement of Changes in Beneficial Ownership)

Filed 12/06/17 for the Period Ending 12/04/17

Address	10614 SCIENCE CENTER DRIVE SAN DIEGO, CA, 92121
Telephone	858-202-6300
CIK	0001505512
Symbol	RGLS
Fiscal Year	12/31

FORM 4

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

OMB APPROVAL
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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or
Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person * RASTETTER WILLIAM H <small>(Last) (First) (Middle)</small> C/O REGULUS THERAPEUTICS INC., 10614 SCIENCE CENTER DRIVE <small>(Street)</small> SAN DIEGO, CA 92121 <small>(City) (State) (Zip)</small>	2. Issuer Name and Ticker or Trading Symbol Regulus Therapeutics Inc. [RGLS] 3. Date of Earliest Transaction (MM/DD/YYYY) <p align="center">12/4/2017</p>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director _____ 10% Owner <input type="checkbox"/> Officer (give title below) _____ Other (specify below)
4. If Amendment, Date Original Filed (MM/DD/YYYY)		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

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Trans. Date	2A. Deemed Execution Date, if any	3. Trans. 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 Stock	12/4/2017		A		69662 <small>(1)</small>	A	\$0.89	694387	I	WILLIAM H RASTETTER TTEE INVESTMENT 2002 TRUST U/A DTD 11/11/2002

Table II - Derivative Securities 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. Trans. Date	3A. Deemed Execution Date, if any	4. Trans. 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		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 of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				

Explanation of Responses:

(1) Restricted Stock Units (RSUs) issued in lieu of 2018 annual retainer and meeting fees of \$62,000. The RSUs vest ratably on a quarterly basis on the last day of each calendar quarter in 2018, subject to the reporting person's continuous service to Regulus.

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
RASTETTER WILLIAM H C/O REGULUS THERAPEUTICS INC. 10614 SCIENCE CENTER DRIVE SAN DIEGO, CA 92121	X			

Signatures

Christopher Aker, Attorney in Fact **12/6/2017**

** 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 control number.