FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

	OMB APPROVAL							
	OMB Number:	3235-0287						
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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

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								. Issuer Name and Ticker or Trading Symbol Regulus Therapeutics Inc. ["RGLS"]									p of Reporting Person(s) to blicable) ctor X 109		on(s) to Is	
(Last) (First) (Middle) 2855 GAZELLE COURT							3. Date of Earliest Transaction (Month/Day/Year) 07/09/2014									X Director Officer (give title below)			Other (spe below)	
(Street) CARLSBAD CA 92010 (City) (State) (Zip)						4. If	4. If Amendment, Date of Original Filed (Month/Day/Year) 6. Individual or Joint/Group Filing (Check Applicable Line) Form filed by One Reporting Person X Form filed by More than One Reporting Person										on			
			Tabl	e I - N	on-Deriv	ative	Sec	uritie	s Ac	quire	d, Di	sposed o	f, or E	Benefic	cially	Owne	ed			
Date				2. Transact Date (Month/Day		Exec if any	Deemed ution Date, / th/Day/Year)		3. Transaction Code (Instr. 8)			s Acquired (A) or of (D) (Instr. 3, 4 a		nd 5) Secui Bene Owne		icially d Following	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		Trans	eported ransaction(s) nstr. 3 and 4)			(msu. 4)		
Common Stock 07/09/2014						014	14			S ⁽¹⁾		1,800	D	\$7.0	824 ⁽²⁾	7,0	035,800	I) (3)	
Common Stock 07/10/2014						14			S ⁽¹⁾		4,500	D	\$6.6	908(4)	7,0	031,300	I) (3)		
Common Stock 07/11/2014									S ⁽¹⁾		1,750	D	\$6.4	7,029,550			I) (3)		
			Та	ble II	Derivat (e.g., pu	ive S uts, c	ecur alls,	ities warr	Acquants,	iired, optio	Disp	osed of, convertib	or Bei le sec	neficia curities	ılly Ov	wned				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	on D se (I	3. Transaction Date (Month/Day/Year)	if any	on Date,	4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exerc Expiration Da (Month/Day/		ate	7. Title and Amount of Securities Underlying Derivative Security (Instr. and 4)		Deri Seci (Inst		9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
						Code	v	(A)	(D)	Date Exercis	sable	Expiration Date	Title	or Number of Shares						
			eporting Person*	INC																

1. Name and Address of Reporting Person* ISIS PHARMACEUTICALS INC									
(Last)	(First)	(Middle)							
2855 GAZELLE CO									
(Street)									
CARLSBAD	CA	92010							
(City)	(State)	(Zip)							
1. Name and Address of Reporting Person* PARSHALL B LYNNE									
(Last)	(First)	(Middle)							
C/O ISIS PHARMACEUTICALS, INC.									
2855 GAZELLE COURT									
(Street)									
CARLSBAD	CA	92010							
(City)	(State)	(Zip)							

Explanation of Responses:

- 1. The sales reported in the Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on May 22, 2014.
- 2. The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$6.85 to \$7.17 inclusive. The reporting person undertakes to provide to RGLS, any security holder of RGLS, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price within the ranges set forth in this footnote to this Form 4.
- 3. The shares are held directly by Isis Pharmaceuticals, Inc. Ms. Parshall is an officer and director of Isis and therefore may be deemed to have voting or investment power over the shares beneficially owned by

Isis. Ms. Parshall disclaims beneficial ownership over the shares beneficially owned by Isis, except to the extent of her proportionate pecuniary interest therein as a stockholder of Isis.

4. The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$6.55 to \$6.86 inclusive. The reporting person undertakes to provide to RGLS, any security holder of RGLS, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price within the ranges set forth in this footnote to this Form 4.

5. The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$6.41 to \$6.53 inclusive. The reporting person undertakes to provide to RGLS, any security holder of RGLS, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price within the ranges set forth in this footnote to this Form 4.

Remarks:

/s/ Christopher Aker, Attorneyin-Fact for all Reporting 07/11/2014
Owners

** 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.