FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL OMB Number: Estimated average burden hours per response: 0.5

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 ar		2. Issuer Name and Ticker or Trading Symbol REGENXBIO Inc. [RGNX]								5. Relationship of Reporting Person(s) to Issuer (Check all applicable)									
WIIIS N	- -						-			X Dire	ctor		10% Ow	ner					
(Last) (First) (Middle)							Date of Earliest Transaction (Month/Day/Year)								er (give title v)		Other (s below)	pecify	
C/O REGENXBIO INC.							11/20/2017								President and CEO				
9600 BLACKWELL ROAD, SUITE 210																			
(0)						4. If Amendment, Date of Original Filed (Month/Day/Year)								Individual or Joint/Group Filing (Check Applicable Line)					
(Street) ROCKVILLE MD 20850														X Form filed by One Reporting Person					
-					-									Form filed by More than One Reporting Person					
(City) (State) (Zip)															-				
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																			
1. Title of Security (Instr. 3) 2. Transact Date (Month/Day						ur) Ex	2A. Deemed Execution Date, f any Month/Day/Year)				4. Securities Acquired (A) o Disposed Of (D) (Instr. 3, 4 a			Secui Bene	cially d Following	Form (D) o	n: Direct r Indirect istr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
									Code	v	Amount	(A) or (D)	Price	Trans	action(s) 3 and 4)			,msu. 4)	
Common Stock 11/20/2									М		30,000	A	\$0.8	128,530			D		
Common Stock 11/20/2						:017			S ⁽¹⁾		10,000	D	\$27.71	(2) 1	18,530	3,530			
Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned																			
				(e.g.,	puts,	calls	s, wa	arrants	, optio	ıs,	convertil	ole secu	rities)						
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deem Execution if any (Month/Da	Date,		ansaction ode (Instr.		of		6. Date Exercisable and Expiration Date (Month/Day/Year)			7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		9. Number derivative Securities Beneficia Owned Following Reported Transacti (Instr. 4)	e s Illy	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
					Code	de V		(D)	Date Exercisal		Expiration Date	Title	Amount or Number of Shares						
Employee Stock Option (Right to	\$0.85	11/20/2017			M			30,000	(3)		09/23/2024	Common Stock	30,000	\$0.00	529,63	70	D		

Explanation of Responses:

- 1. This transaction was effected pursuant to a Rule 10b5-1 trading plan.
- 2. This transaction was executed in multiple trades at prices ranging from \$27.30 to \$28.05. The price reported above reflects the weighted average sale price. The reporting person hereby undertakes to provide upon request to the SEC staff, the issuer or a security holder of the issuer full information regarding the number of shares and prices at which the transaction was effected.
- 3. The previously granted option, representing a right to purchase a total of 708,200 shares, became exercisable as follows: 474,490 of the shares subject to the option are initial shares ("Initial Shares") and 233,710 of the shares subject to the option are contingent shares ("Contingent Shares"). 120,394 of the Initial Shares vested on September 17, 2014, 88,524 of the Initial Shares vested on September 17, 2015 and an additional 7,377 of the Initial Shares vest upon each month of continuous service to the Company thereafter. 25% of the Contingent Shares were deemed vested as of September 17, 2014 on January 13, 2015 due to a subsequent event. The remainder of the Contingent Shares vest over four years of service following September 17, 2014, with 25% of the remaining 75% of Contingent Shares having vested on September 17, 2015 and the remaining Contingent Shares vesting in 36 equal monthly installments thereafter.

Remarks:

/s/ Kenneth T. Mills

** Signature of Reporting Person

11/21/2017

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.