FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL									
OMB Number:	3235-0287								
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0.5

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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

Name and Address of Reporting Person*				2. Issuer Name and Ticker or Trading Symbol REGENXBIO Inc. [ RGNX ]								5. Relationship of Reporting Person(s) to Issuer (Check all applicable)						
Mills Kenneth T.				1		1211	10 11	<u>101</u> [ 10	O1 12	. 1				X Direc	ctor	109	Owner	
(Last)	(Fi	rst) (l	Middle)			3. Date of Earliest Transaction (Month/Day/Year)								-	X Offic below	,	bel	er (specify w)
C/O REGENXBIO INC.				04/	04/24/2017							President and CEO						
9600 BLACKWELL ROAD, SUITE 210																		
				4. If	4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Individual or Joint/Group Filing (Check Applicable					
(Street) ROCKVI	LLE M	D 2	0850									Line	X Forn	orm filed by One Reporting Person				
(City)	(St	ate) (2	Zip)												erson			
	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																	
1. Title of Security (Instr. 3)  2. Transacti Date (Month/Day					Execution Date,		3. Transaction Code (Instr. 8)  4. Securities Acquired (A) Disposed Of (D) (Instr. 3,			and 5) Secu Bene		icially d Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	of Indirect t Beneficial Ownership				
							Code	v	Amount	(A) ( (D)	(A) or (D) Price		Trans	action(s) 3 and 4)		(Instr. 4)		
Common Stock 04/24/20				:017		S <sup>(1)</sup>		14,045	D	\$	20.94	2) 1	26,395	D				
Common Stock 04/24/2			2017		S <sup>(1)</sup>		1,395	D	\$	\$21.4(3)		25,000	D					
	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. Deer Execution if any (Month/I	on Date,	4. Transactior Code (Instr. 8)		on of		6. Date Exercisabl Expiration Date (Month/Day/Year)		te Amount of		S (I	Price of erivative ecurity nstr. 5)	e derivative	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership t (Instr. 4)	
					Code	v	(A)	(D)	Date Exercisa	able	Expiration Date	Title	Amou or Numb of Share	er				

## **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 \$20.40 to \$21.35. 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. This transaction was executed in multiple trades at prices ranging from \$21.40 to \$21.425. 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.

## Remarks:

/s/ Kenneth T. Mills

04/26/2017

\*\* Signature of Reporting Person

Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

- $^{\star}$  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.