FORM 4

## **UNITED STATES SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

	OMB APPROVAL								
	OMB Number:	3235-0287							
l	Estimated average burden								
	hours per response:	0.5							

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

1. Name and Address of Reporting Person $^\star$ $\underline{FMR\ LLC}$						2. Issuer Name <b>and</b> Ticker or Trading Symbol REGENXBIO Inc. [ RGNX ]								Relationship of Reporting Person(s) to Issuer (Check all applicable)     Director				
(Last) (First) (Middle) 245 SUMMER STREET						3. Date of Earliest Transaction (Month/Day/Year) 05/12/2016							Officer (give title X Other (specify below)  See Remark 1					
(Street) BOSTON MA 02210					4. If	4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Individual or Joint/Group Filing (Check Applicable Line)     X Form filed by One Reporting Person     Form filed by More than One Reporting				
(City)	(St	tate) (Zip)													Pers			
1. Title of Security (Instr. 3) 2. Tra				2. Transac	. Transaction		2A. Deemed Execution Date,		3. Transaction Code (Instr. 8)		4. Securities Acquired (A) of Disposed Of (D) (Instr. 3, 4		d (A) o	r	5. Amount of		6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership
								Code	v	Amount	(A) or (D) Price		•	Transaction(s) (Instr. 3 and 4)			(Instr. 4)	
Common	05/12/			S		3,500	D	\$10	.83 <sup>(2)</sup>	656,917		I	See footnote <sup>(1)</sup>					
Common Stock 05					2016				S		1,711	D	\$10	\$10.86(3)		5,206	I	See footnote <sup>(1)</sup>
Common Stock 05.				05/12/	/2016				S		500	D	\$10	.85 <sup>(4)</sup>	654,706		I	See footnote <sup>(1)</sup>
Common Stock 05/12/2					2016				S		400	D	\$10	.93 <sup>(5)</sup>	65	4,306	I	See footnote <sup>(1)</sup>
Common Stock 05/12/20					2016	016			S		200	D	\$1	0.89	654,106		Ι	See footnote <sup>(1)</sup>
Common Stock 05/12/20					2016	)16		S		200	D	\$1	\$10.85		3,906	Ι	See footnote <sup>(1)</sup>	
Common Stock 05/12/20					2016	)16			S		100	D	\$10	\$10.88(6)		3,806	I	See footnote <sup>(1)</sup>
Common Stock 05/12/20					2016	016			S		100	D	\$1	311.14		3,706	I	See footnote <sup>(1)</sup>
		Ta	ble II -								osed of, c				wned			
1. Title of Derivative Security (Instr. 3)	ivative Conversion Date Execution Date, urity or Exercise (Month/Day/Year) if any				ransaction ode (Instr. Der Sec Acc (A) Dis of (		ivative urities urities urities urities posed D) ttr. 3, 4			ate Exercisable and iration Date nth/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. and 4)		Price of rivative curity str. 5)	9. Number derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4	Beneficial Ownership (Instr. 4)	
					Code	v	(A)	(D)	Date Exercis	sable	Expiration Date		Amour or Numbe of Shares	er				

## **Explanation of Responses:**

- 1. By F-Prime Capital Partners Healthcare Fund III LP, Impresa Fund III Limited Partnership and F-Prime Inc. The general partner of F-Prime Capital Partners Healthcare Fund III LP is F-Prime Capital Partners Healthcare Advisors Fund III LP (FPCPHA). FPCPHA and Impresa Fund III Limited Partnership are each solely managed by Impresa Management LLC, their general partner and investment manager. Impresa Management LLC is owned, directly or indirectly, by various shareholders and employees of FMR LLC, including certain members of the Johnson family. F-Prime Inc. is a wholly-owned subsidiary of FMR LLC.
- 2. The price reported for this transaction is the weighted average price of multiple trades at prices ranging from \$10.75 to \$10.93. FMR LLC hereby undertakes to provide upon request by the Commission 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 price reported for this transaction is the weighted average price of multiple trades at prices ranging from \$10.55 to \$11.00. FMR LLC hereby undertakes to provide upon request by the Commission 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.
- 4. The price reported for this transaction is the weighted average price of multiple trades at prices ranging from \$10.85 to \$10.86. FMR LLC hereby undertakes to provide upon request by the Commission 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.
- 5. The price reported for this transaction is the weighted average price of multiple trades at prices ranging from \$10.89 to \$10.95. FMR LLC hereby undertakes to provide upon request by the Commission 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.
- 6. The price reported for this transaction is the weighted average price of multiple trades at prices ranging from \$10.87 to \$10.89. FMR LLC hereby undertakes to provide upon request by the Commission 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

owners, directly or through trusts, of Series B voting common shares of FMR LLC, representing 49% of the voting power of FMR LLC. The Johnson family group and all other Series B shareholders have entered into a shareholders' voting agreement under which all Series B voting common shares will be voted in accordance with the majority vote of Series B voting common shares. Accordingly, through their ownership of voting common shares and the execution of the shareholders' voting agreement, members of the Johnson family may be deemed, under the Investment Company Act of 1940, to form a controlling group with respect to FMR LLC. The address of Abigail P. Johnson is c/o FMR LLC, 245 Summer Street, Boston, MA 02110. Remark 2: FMR Co., Inc. (FMRC), an indirect wholly-owned subsidiary of FMR LLC and an investment adviser registered under the Investment Advisers Act of 1940, and Fidelity Institutional Asset Management Trust Company (FIAMTC), an indirect wholly-owned subsidiary of FMR LLC and a bank as defined in Section 3(a)(6) of the Securities Exchange Act of 1934, are the beneficial owners of Common Stock of REGENXBIO Inc. as a result of acting as investment adviser to various client funds and accounts. FMR LLC and Abigail P. Johnson have no pecuniary interest in the Common Stock beneficially owned by FMRC and FIAMTC. Remark 3: The filing of this statement shall not be deemed to be an admission that, for purposes of Section 16 of the Securities Exchange Act of 1934 or otherwise, the undersigned are the beneficial owners of any securities reported herein.

Marc R. Bryant, Duly
authorized under Powers of
Attorney, by and on behalf of
FMR LLC and its direct and
indirect subsidiaries, and
Abigail P. Johnson

Date

\*\* Signature of Reporting Person

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.

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