REGENXBIO Inc. Form 4 March 18, 2016

FORM 4

OMB APPROVAL

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

OMB Number: 3235-0287

Check this box if no longer subject to Section 16.

Washington, D.C. 20549

Expires: January 31, 2005

Form 4 or Form 5 obligations STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Estimated average burden hours per response... 0.5

obligations may continue. See Instruction

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

| 1. Name and Add FMR LLC | ress of Reporti | ing Person * | 2. Issuer Name and Ticker or Trading Symbol REGENXBIO Inc. [RGNX] | 5. Relationship of Reporting Person(s) to Issuer | | | |
|----------------------------|-----------------|--------------|---|---|--|--|--|
| (Last) | (First) | (Middle) | 3. Date of Earliest Transaction | (Check all applicable) | | | |
| 245 SUMMER STREET | | | (Month/Day/Year) 03/17/2016 | DirectorX 10% Owner Officer (give titleX Other (specify below) See Remark 1 | | | |
| | (Street) | | 4. If Amendment, Date Original Filed(Month/Day/Year) | 6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person | | | |
| BOSTON, MA 02210 | | | | Form filed by More than One Reporting Person | | | |
| (City) | (State) | (Zin) | | | | | |

| (City) | (State) | Zip) Table | e I - Non-D | erivative Se | ecuriti | es Acqı | uired, Disposed o | f, or Beneficial | ly Owned |
|--------------------------------------|--------------------------------------|---|---|---|---------|---------|--|--|---|
| 1.Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) | 4. Securities on (A) or Disp (Instr. 3, 4 | posed c | of (D) | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | Indirect Beneficial Ownership (Instr. 4) |
| Common Stock | 03/17/2016 | | J | 254,965 | D | \$0 | 830,851 | I | See Footnote 1 |

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

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SEC 1474

(9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

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| 1. | Title of | 2. | 3. Transaction Date | 3A. Deemed | 4. | 5. | 6. Date Exer | cisable and | 7. Titl | le and | 8. Price of | 9. Nu |
|----|-----------|-------------|---------------------|--------------------|------------|------------|--------------|-------------|---------|----------|-------------|--------|
| D | erivative | Conversion | (Month/Day/Year) | Execution Date, if | Transacti | onNumber | Expiration D | ate | Amou | ınt of | Derivative | Deriv |
| S | ecurity | or Exercise | | any | Code | of | (Month/Day/ | Year) | Under | lying | Security | Secui |
| (I | nstr. 3) | Price of | | (Month/Day/Year) | (Instr. 8) | Derivative | e | | Secur | ities | (Instr. 5) | Bene |
| | | Derivative | | | | Securities | 3 | | (Instr. | 3 and 4) | | Owne |
| | | Security | | | | Acquired | | | | | | Follo |
| | | • | | | | (A) or | | | | | | Repo |
| | | | | | | Disposed | | | | | | Trans |
| | | | | | | of (D) | | | | | | (Instr |
| | | | | | | (Instr. 3, | | | | | | ` |
| | | | | | | 4, and 5) | | | | | | |
| | | | | | | , , | | | | | | |
| | | | | | | | | | | Amount | | |
| | | | | | | | Date | Expiration | | or | | |
| | | | | | | | Exercisable | Date | Title | Number | | |
| | | | | | | | Lacicisable | Date | | of | | |
| | | | | | Code V | (A) (D) | | | | Shares | | |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | | | | |
|--------------------------------|---------------|-----------|---------|--------------|--|--|--|
| | Director | 10% Owner | Officer | Other | | | |
| FMR LLC | | | | | | | |
| 245 SUMMER STREET | | X | | See Remark 1 | | | |
| BOSTON, MA 02210 | | | | | | | |

Signatures

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

03/18/2016

**Signature of Reporting Person

Date

Explanation of Responses:

- * 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).

F-Prime Capital Partners Healthcare Fund III LP made a pro-rata distribution to its partners, without payment of consideration, of 720,085 shares of REGENXBIO Inc. previously reported by FMR LLC. F-Prime Capital Partners Healthcare Fund III LP distributed 464,508 shares to Impresa Fund III Limited Partnership, 5,429 shares to F-Prime Capital Partners Healthcare Advisors Fund III LP (FPCPHA) and 250,148 shares to a recipient whose shares are not subject to reporting by the undersigned (an Other Recipient). FPCPHA made a pro-rata distribution to its partners, without payment of consideration, of 612 shares to F-Prime Inc, a wholly-owned subsidiary of FMR LLC, and 4,817 shares to Other Recipients.

Remarks:

(1)

Remark 1: Abigail P. Johnson is a Director, the Vice Chairman, the Chief Executive Officer and the President of FMR LLC.

Remark 2: The general partner of F-Prime Capital Partners Healthcare Fund III LP(f/k/a Beacon Bioventures Fund III Limited

Remark 3: The filing of this statement shall not be deemed to be an admission that, for purposes of Section 16 of the Securities. Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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