UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

SCHEDULE 14A

(Rule 14a-101)

Proxy Statement Pursuant to Section 14(a) of the Securities Exchange Act of 1934 (Amendment No.)

Filed	by the Re	egistrant 🗵	Filed by a party other than the Registrant \Box		
Chec	k the appr	opriate box:			
	Prelimi	Preliminary Proxy Statement			
	Confidential, for Use of the Commission Only (as permitted by Rule 14a-6(e)(2))				
	Definit	Definitive Proxy Statement			
X	Definitive Additional Materials				
	Soliciti	ng Material Pursuant	to §240.14a-12		
			REGENXBIO Inc.		
			(Name of Registrant as Specified In Its Charter)		
			(Name of Person(s) Filing Proxy Statement, if other than the Registrant)		
Paym	ent of Fili	ing Fee (Check the ap	opropriate box):		
\boxtimes	No fee	No fee required.			
	Fee cor	mputed on table belo	w per Exchange Act Rules 14a-6(i)(1) and 0-11.		
	(1)	Title of each class of	f securities to which transaction applies:		
	(2)	Aggregate number of	of securities to which transaction applies:		
	(3)		er underlying value of transaction computed pursuant to Exchange Act Rule 0-11 (set forth the amount on which the filing state how it was determined):		
	(4)	Proposed maximum	aggregate value of transaction:		
	(5)	Total fee paid:			
	Fee pai	id previously with pre	eliminary materials.		
			fee is offset as provided by Exchange Act Rule 0-11(a)(2) and identify the filing for which the offsetting fee was paid ious filing by registration statement number, or the Form or Schedule and the date of its filing.		
	(1)	Amount previously	paid:		
	(2)	Form, Schedule or F	Registration Statement No.:		

(3)

Filing party:

(4)	Date Filed:			

E07601-P74282

*** Exercise Your Right to Vote *** Important Notice Regarding the Availability of Proxy Materials for the Stockholder Meeting to Be Held on June 1, 2016.

REGENXBIO INC.

Meeting Information

Meeting Type: Annual Meeting **For holders as of:** April 7, 2016

Date: June 1, 2016 **Time:** 9:00 AM EDT **Location:** Offices of REGENXBIO Inc.

9712 Medical Center Drive

Suite 100

Rockville, Maryland 20850

You are receiving this communication because you hold shares in the company named above.

This is not a ballot. You cannot use this notice to vote these shares. This communication presents only an overview of the more complete proxy materials that are available to you on the Internet. You may view the proxy materials online at www.proxyvote.com or easily request a paper copy (see reverse side).

We encourage you to access and review all of the important information contained in the proxy materials before voting.

See the reverse side of this notice to obtain proxy materials and voting instructions.

- Before You Vote -

How to Access the Proxy Materials

Proxy Materials Available to VIEW or RECEIVE:

NOTICE AND PROXY STATEMENT FORM 10-K

How to View Online:

Have the information that is printed in the box marked by the arrow \rightarrow (located on the following page) and visit: *www.proxyvote.com*.

How to Request and Receive a PAPER or E-MAIL Copy:

If you want to receive a paper or e-mail copy of these documents, you must request one. There is NO charge for requesting a copy. Please choose one of the following methods to make your request:

1) *BY INTERNET*: www.proxyvote.com 2) *BY TELEPHONE*: 1-800-579-1639

3) BY E-MAIL*: sendmaterial@proxyvote.com

* If requesting materials by e-mail, please send a blank e-mail with the information that is printed in the box marked by the arrow \rightarrow xxxx xxxx xxxx xxxx (located on the following page) in the subject line.

Requests, instructions and other inquiries sent to this e-mail address will NOT be forwarded to your investment advisor. Please make the request as instructed above on or before May 18, 2016 to facilitate timely delivery.

— How To Vote —

Please Choose One of the Following Voting Methods

Vote In Person: If you choose to vote these shares in person at the meeting, you must request a "*legal proxy*." To do so, please follow the instructions at *www.proxyvote.com* or request a paper copy of the materials, which will contain the appropriate instructions. Many stockholder meetings have attendance requirements including, but not limited to, the possession of an attendance ticket issued by the entity holding the meeting. Please check the meeting materials for any special requirements for meeting attendance.

Vote By Internet: To vote now by Internet, go to *www.proxyvote.com*. Have the information that is printed in the box marked by the arrow → xxxx xxxx xxxx xxxx (located on the following page) available and follow the instructions.

Vote By Mail: You can vote by mail by requesting a paper copy of the materials, which will include a voting instruction form.

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Voting Items

The Board of Directors recommends you vote FOR the following:

1. Election of Two Class I Directors

Nominees:

- 01) Allan M. Fox
- 02) Camille Samuels

The Board of Directors recommends you vote FOR the following proposal:

2. To ratify the selection by the Audit Committee of our Board of Directors of PricewaterhouseCoopers LLP as the independent registered public accounting firm of the Company for the year ending December 31, 2016.

NOTE: Such other business as may properly come before the meeting or any adjournment thereof.

Voting Instructions