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:		
	Preliminary Proxy Statement			
	Confidential, for Use of the Commission Only (as permitted by Rule 14a-6(e)(2))			
	Definitive Proxy Statement			
\boxtimes	Definitive Additional Materials			
	Soliciti	ing Material Pursuant t	o §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 Fil	ing Fee (Check the app	propriate box):	
\boxtimes	No fee	No fee required.		
	Fee computed on table below per Exchange Act Rules 14a-6(i)(1) and 0-11.			
	(1)	Title of each class of	securities to which transaction applies:	
	(2)	Aggregate number of	securities to which transaction applies:	
	(3)		underlying value of transaction computed pursuant to Exchange Act Rule 0-11 (set forth the amount on which the filing tate how it was determined):	
	(4)	Proposed maximum a	ggregate value of transaction:	
	(5)	Total fee paid:		
	Fee pa	id previously with prel	minary materials.	
			ee is offset as provided by Exchange Act Rule 0-11(a)(2) and identify the filing for which the offsetting fee was paid ous filing by registration statement number, or the Form or Schedule and the date of its filing.	
	(1)	Amount previously pa	nid:	
	(2)	Form, Schedule or Re	gistration Statement No.:	

(3)	Filing party:
(4)	Date Filed:

40684-P04870

*** Exercise Your Right to Vote ***

Important Notice Regarding the Availability of Proxy Materials for the Stockholder Meeting to Be Held on May 25, 2018.

REGENXBIO INC.



Meeting Information

Meeting Type: Annual Meeting **For holders as of:** March 26, 2018

Date: May 25, 2018 **Time:** 09:00 a.m. Eastern Time

Location: Offices of REGENXBIO Inc. 9714 Medical Center Drive 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 ANNUAL REPORT

How to View Online:

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

→ [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 11, 2018 to facilitate timely delivery.

— How To Vote —

Please Choose One of the Following Voting Methods

Vote In Person: 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. At the meeting, you will need to request a ballot to vote these shares.

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 proxy card.

Voting Items

The Board of Directors recommends you vote FOR the following:

1. Election of Three Class III Directors

Nominees:

- 01) Luke M. Beshar
- 02) Kenneth T. Mills
- 03) David C. Stump, M.D.

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

2. To ratify the selection of PricewaterhouseCoopers LLP by the Audit Committee of our Board of Directors as the independent registered public accounting firm of the Company for the year ending December 31, 2018.

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