UNITED STATES SECURITIES AND EXCHANGE COMMISSION WASHINGTON, DC 20549

SCHEDULE 14A

Proxy Statement Pursuant to Section 14(a) of the Securities Exchange Act of 1934

		Registrant ⊠ rty other than the Registrant □					
Chec	k the ap	propriate box:					
_ _ _ ⊠	Confi Defin Defin	ninary Proxy Statement dential, For Use of the Commission Only (as permitted by Rule 14a-6(e)(2)) itive Proxy Statement itive Additional Materials ting Material Under Rule 14a-12					
		Enzo Biochem, Inc.					
		(Name of Registrant as Specified in Its Charter)					
		(Name of Person(s) Filing Proxy Statement, if Other Than the Registrant)					
Payn	nent of F	Filing Fee (Check the appropriate box):					
X	No fe	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:					
Per unit price or other underlying value of transaction computed pursuant to Exchange Act Rule 0-11 (set forth the amount on which the f and state how it was determined):							
	(4)	Proposed maximum aggregate value of transaction:					
	(5)	Total fee paid:					
_	Fee p	Fee paid previously with preliminary materials.					
Check box if any part of the fee is offset as provided by Exchange Act Rule 0-11(a)(2) and identify the filing for which the offsetting fee was paid previous filing by registration statement number, or the Form or Schedule and the date of its filing.							
	(1)	Amount previously paid:					
	(2)	Form, Schedule or Registration Statement No.:					
	(3)	Filing Party:					
	(4)	Date Filed:					

*** Exercise Your Right to Vote ***

Important Notice Regarding the Availability of Proxy Materials for the Shareholder Meeting to Be Held on January 26, 2012

ENZO BIOCHEM, INC.

Meeting Information

Meeting Type: Annual Meeting

For holders as of: December 2, 2011

Date: January 26, 2012

Time: 9:00 AM EST

Location: Yale Club

50 Vanderbilt Avenue New York, NY 10017

ENZO BIOCHEM, INC. 60 EXECUTIVE BLVD. FARMINGDALE, NY 11735

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

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.

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— Before You Vote —

How to Access the Proxy Materials

Proxy Materials Available to VIEW or RECEIVE: 1. Notice & Proxy Statement 2. Form 10-K						
How to View Online:						
Have the informat	ion that is printed in the box marked by the arrow	XXXX XXXX XXXX (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 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 January 01, 2012 to facilitate timely delivery.						

— How To Vote —

Please Choose One of the Following Voting Methods

Vote In Person: Many shareholder 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 available and

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

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Voting items

The Board of Directors recommends you vote FOR the following:

1. Election of Directors

Nominees 01 Dr. Elazar Rabbani

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

2 To approve, in a nonbinding advisory vote, the compensation of the Company's named executive officers.

The Board of Directors recommends you vote 3 YEARS on the following proposal:

To determine, in a nonbinding advisory vote, whether a stockholder vote to approve the compensation of the Company's named executive officers should occur every one, two, or three years.

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

To ratify the appointment of Ernst & Young LLP as the Company's independent registered public accounting firm for the Company's fiscal year ending July 31, 2012.

NOTE: In their discretion, the Proxies are authorized to vote upon such other business as may properly come before the Annual Meeting. This proxy when properly executed will be voted in the manner directed herein by the undersigned shareholder. If no direction is made, this proxy will be voted FOR the election of the nominee for Class III Director named in Proposal 1 in this proxy card, FOR each of Proposals 2 and 4, and 3 YEARS for Proposal 3 in this proxy card.

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