UNITED STATES SECURITIES AND EXCHANGE COMMISSION WASHINGTON, DC 20549

FORM 8-K

CURRENT REPORT PURSUANT TO SECTION 13 OR 15(D) OF THE SECURITIES EXCHANGE ACT OF 1934

Date of report (Date of earliest event reported): May 26, 2014 Enzo Biochem, Inc. (Exact Name of Registrant as Specified in Its Charter) New York (State or Other Jurisdiction of Incorporation) 001-09974 13-2866202 (Commission File Number) (IRS Employer Identification No.) 527 Madison Avenue 10022 New York, New York (Address of Principal Executive Offices) (Zip Code) (212) 583-0100 (Registrant's Telephone Number, Including Area Code) (Former Name or Former Address, if Changed Since Last Report) Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions kee General Instruction A.2. below): ☐ Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425) ☐ Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)

□ Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
□ Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Item 5.02. Departures of Directors or Certain officers; Election of Directors; Appointment of Certain Officers; Compensatory Arrangements of Certain Officers

In connection with the Company's continuing activities to improve its corporate structure and maximize shareholder value, during May 2014 James M. O'Brien assumed the position of Senior Vice President, Finance previously held by Andrew Crescenzo. In addition, Andrew Whiteley is no longer with the Company in the role as Chief Operating Officer for Enzo Life Sciences.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, as amended, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

ENZO BIOCHEM, INC.

Date: May 29, 2014 By: /s/ Barry W. Weiner

Barry W. Weiner President