

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

Filed by the Registrant

Filed by a Party other than the Registrant

Check the appropriate box:

- Preliminary Proxy Statement
- Confidential, For Use of the Commission Only (as permitted by Rule 14a-6(e)(2))
- Definitive Proxy Statement
- Definitive Additional Materials
- Soliciting 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)

Payment of Filing Fee (Check the appropriate box):

- 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) Per unit price or other underlying value of transaction computed pursuant to Exchange Act Rule 0-11 (set forth the amount on which the filing fee is calculated and state how it was determined):

(4) Proposed maximum aggregate value of transaction:

(5) Total fee paid:

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 previously. Identify the 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:

As previously reported, on December 14, 2020, an action was commenced by Anthony Franchi against Enzo Biochem, Inc., a New York corporation (the "Company") and certain directors of the Company in the Supreme Court of the State of New York, County of New York seeking declaratory and injunctive relief to, among other things, enjoin the Company from holding the 2020 Annual Meeting of Shareholders unless the Company reopens the window for the nomination of directors.

On December 28, 2020, the Court denied Mr. Franchi's motion for a preliminary injunction. The Court held that Mr. Franchi had not provided any evidence of impropriety or unfair manipulation with regard to the board's enforcement of advance notice requirements for director nominations as provided in the Company's Amended and Restated By-Laws (the "By-Laws"). Further, the Court found that the Company's enforcement of the By-Laws did not interfere with Mr. Franchi's right to vote at the 2020 Annual Meeting

of Shareholders. The Court further recognized that Mr. Franchi is not a shareholder of record, and thus, cannot nominate a candidate for election as a director at the 2020 Annual Meeting of Shareholders.

See *Anthony Franchi v. Enzo Biochem, Inc., et al*, Supreme Court of the State of New York, County of New York, New York (Index No. 656979/2020).

Forward-Looking Statements

Except for historical information, the matters discussed in this release may be considered "forward-looking" statements within the meaning of Section 27A of the Securities Act of 1933, as amended and Section 21E of the Securities Exchange Act of 1934, as amended. Such statements include declarations regarding the intent, belief or current expectations of the Company and its management, including those related to cash flow, gross margins, revenues, and expenses which are dependent on a number of factors outside of the control of the Company including, inter alia, the markets for the Company's products and services, costs of goods and services, other expenses, government regulations, litigation, and general business conditions. See Risk Factors in the Company's Form 10-K for the fiscal year ended July 31, 2020. Investors are cautioned that any such forward-looking statements are not guarantees of future performance and involve a number of risks and uncertainties that could materially affect actual results. The Company disclaims any obligations to update any forward-looking statement as a result of developments occurring after the date hereof.
