UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

SCHEDULE 14A

(Rule 14a-101) INFORMATION REQUIRED IN PROXY STATEMENT SCHEDULE 14A INFORMATION

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

Filed by the Registrant \boxtimes

Filed by a Party other than the Registrant \Box

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 Pursuant to §240.14a-12

INOZYME PHARMA, INC.

(Name of registrant as specified in its charter)

Not applicable.

(Name of person(s) filing proxy statement, if other than the registrant)

Payment of Filing Fee (Check all boxes that apply):

- No fee required.
- □ Fee paid previously with preliminary materials.
- Fee computed on table in exhibit required by Item 25(b) per Exchange Act Rules 14a-6(i)(1) and 0-11.



Inozyme Pharma, Inc. Important Notice Regarding the Availability of Proxy Materials for the

Stockholders Meeting to be held on June 18, 2024

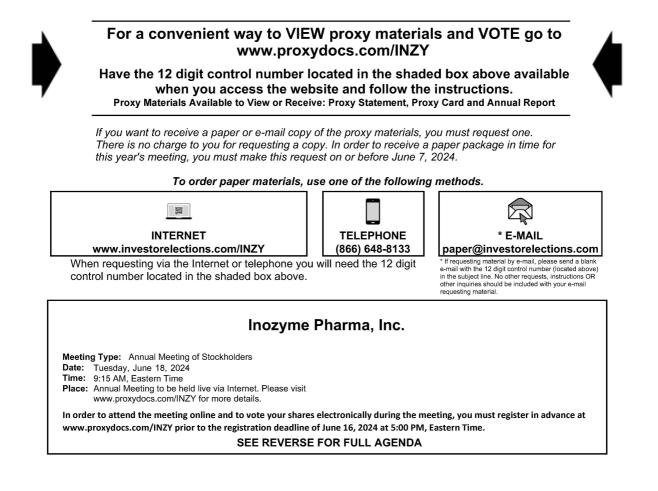
For Stockholders of record as of April 22, 2024

This communication presents only an overview of the more complete proxy materials that are available to you on the Internet. This is not a ballot. You cannot use this notice to vote your shares. We encourage you to access and review all of the important information contained in the proxy materials before voting.

To view the proxy statement and annual report, and to register to attend the virtual annual meeting, go to: www.proxydocs.com/INZY

To vote your proxy while visiting this site, you will need the 12 digit control number in the box below.

Under United States Securities and Exchange Commission rules, proxy materials do not have to be delivered in paper. Proxy materials can be distributed by making them available on the internet. We have chosen to use these procedures for our annual meeting.



Inozyme Pharma, Inc.

Annual Meeting of Stockholders

THE BOARD OF DIRECTORS RECOMMENDS A VOTE: FOR EACH OF THE NOMINEES IN PROPOSAL 1 AND FOR PROPOSAL 2.

PROPOSAL

1.

- The election of three Class I directors, Axel Bolte, Robert Hopfner and Edward Mathers, each to serve for a three-year term expiring at the 2027 annual meeting of stockholders.
 - 1.01 Axel Bolte
 - 1.02 Robert Hopfner
 - 1.03 Edward Mathers
- 2. The ratification of the appointment of Ernst & Young LLP as our independent registered public accounting firm for the fiscal year ending December 31, 2024.

Note: The proxies are authorized to vote, in their discretion, upon such other business that may properly come before the Annual Meeting or any adjournment or postponement thereof.