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**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549**

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**SCHEDULE 14A INFORMATION**

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

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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 Pursuant to Section 240.14a-12

**Eloxx Pharmaceuticals, Inc.**

**(Name of Registrant as Specified In Its Charter)**

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**(Name of Person(s) Filing Proxy Statement if Other Than the Registrant)**

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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:

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(2) Aggregate number of securities to which transaction applies:

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(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):

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(4) Proposed maximum aggregate value of transaction:

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(5) Total fee paid:

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- ☐ 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:

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(2) Form, Schedule or Registration Statement No.:

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(3) Filing Party:

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(4) Date Filed:

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# Your Vote Counts!

ELOXX PHARMACEUTICALS, INC.

2021 Annual Meeting

Vote by May 18, 2021

11:59 PM ET



D47054-P54290

## You invested in ELOXX PHARMACEUTICALS, INC. and it's time to vote!

You have the right to vote on proposals being presented at the Annual Meeting. **This is an important notice regarding the availability of proxy material for the stockholder meeting to be held on May 19, 2021.**

### Get informed before you vote

View the Notice of Annual Meeting and Proxy Statement and Annual Report on Form 10-K online OR you can receive a free paper or email copy of the material(s) by requesting prior to May 5, 2021. If you would like to request a copy of the material(s) for this and/or future stockholder meetings, you may (1) visit [www.ProxyVote.com](http://www.ProxyVote.com), (2) call 1-800-579-1639 or (3) send an email to [sendmaterial@proxyvote.com](mailto:sendmaterial@proxyvote.com). If sending an email, please include your control number (indicated below) in the subject line. Unless requested, you will not otherwise receive a paper or email copy.



For complete information and to vote, visit [www.ProxyVote.com](http://www.ProxyVote.com)

Control #

#### Smartphone users

Point your camera here and  
vote without entering a  
control number



#### Vote Virtually at the Meeting\*

May 19, 2021  
1:00 PM

Virtually at:  
[www.virtualshareholdermeeting.com/ELOX2021](http://www.virtualshareholdermeeting.com/ELOX2021)

\*Please check the meeting materials for any special requirements for meeting attendance.

## THIS IS NOT A VOTABLE BALLOT

This is an overview of the proposals being presented at the upcoming stockholder meeting. Please follow the instructions on the reverse side to vote these important matters.

Voting Items	Board Recommends
1. Election of Directors <b>Nominees:</b> 01) Tomer Kariv                      04) Ran Nussbaum                      07) Jasbir Seehra, Ph.D. 02) Sumit Aggarwal                      05) Rajesh Parekh, DPhil                      08) Gadi Veinrib 03) Zafira Avnur, Ph.D.                      06) Steven Rubin                      09) Alan Walts, Ph.D.	✓ For
2. Ratification of the selection of Deloitte & Touche LLP as our independent registered public accounting firm for the fiscal year ending December 31, 2021.	✓ For
3. Advisory approval of the compensation of our named executive officers, as disclosed in the Proxy Statement.	✓ For
<b>NOTE:</b> The shares represented by this proxy, when properly executed, will be voted in the manner directed herein by the undersigned stockholder(s) and, in the discretion of the proxies, upon such other business as may properly come before the meeting. If no direction is made, this proxy will be voted <u>FOR</u> the nominees for the Board of Directors listed in Proposal 1, and <u>FOR</u> Proposals 2 and 3.	

Prefer to receive an email instead? While voting on [www.ProxyVote.com](http://www.ProxyVote.com), be sure to click "Sign up for E-delivery".