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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 under §240.14a-12

**VOR BIOPHARMA INC.**  
(Name of Registrant as Specified in its Charter)

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
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# Your **Vote** Counts!

**VOR BIOPHARMA INC.**

2023 Annual Meeting  
Vote by May 25, 2023  
11:59 PM ET

VOR BIOPHARMA INC.  
100 CAMBRIDGE PARK DRIVE  
SUITE 101  
CAMBRIDGE, MA 02140



V01957-P90499

## You invested in VOR BIOPHARMA 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 26, 2023.**

### Get informed before you vote

View the Notice 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 12, 2023. 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 26, 2023  
12:00 PM ET

Virtually at:  
[www.virtualshareholdermeeting.com/VOR2023](http://www.virtualshareholdermeeting.com/VOR2023)

\*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. To elect each of the two Class II director nominees, each to serve until the 2026 annual meeting of stockholders and until his successor is duly elected and qualified, or until his earlier death, resignation or removal. <b>Nominees:</b> 01) David C. Lubner 02) Joshua Resnick, M.D.	✔ For
2. To ratify the selection by the audit committee of the Board of Directors of Ernst & Young LLP as the independent registered public accounting firm for the fiscal year ending December 31, 2023.	✔ For
<b>Note:</b> Such other business as may properly come before the meeting or any adjournment thereof.	

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".