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**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**

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

**CELLECTAR BIOSCIENCES, 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 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!

CELLECTAR BIOSCIENCES, INC.

2023 Annual Meeting

Vote by June 13, 2023

11:59 PM ET

CELLECTAR BIOSCIENCES, INC.  
100 CAMPUS DRIVE  
FLORHAM PARK, NJ 07932



V14915-P90845

## You invested in CELLECTAR BIOSCIENCES, 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 materials for the stockholder meeting to be held on June 14, 2023.**

### Get informed before you vote

View the Notice, Proxy Statement and Form 10-K online OR you can receive a free paper or email copy of the material(s) by requesting prior to May 31, 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 during the Meeting\*

June 14, 2023  
10:00 AM, EDT

Virtually at:  
[www.virtualshareholdermeeting.com/CLRB2023](http://www.virtualshareholdermeeting.com/CLRB2023)

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

V1.1

## 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 Class III Directors <b>Nominees:</b> 01) Stefan D. Loren, Ph.D. 02) Douglas J. Swirsky	✓ For
2. To approve an increase in the number of shares of common stock available for issuance under the 2021 Stock Incentive Plan by 1,100,000 shares.	✓ For
3. To ratify the appointment of Baker Tilly US, LLP as the Company's independent registered public accounting firm for the fiscal year ending December 31, 2023.	✓ For
4. To approve, on a non-binding advisory basis, the compensation of the Company's named executive officers.	✓ 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 "Delivery Settings".