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

SCHEDULE 14A Proxy Statement Pursuant to Section 14(a) of the Securities Exchange Act of 1934

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
- x Definitive Additional Materials
- □ Soliciting Material Pursuant to §240.14a-12

IOVANCE BIOTHERAPEUTICS, INC.

(Name of Registrant as Specified in Its Charter)

Payment of Filing Fee (check the appropriate box):

- x No fee required.
- Fee computed on table below per Exchange Act Rules 14a(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:



D53792-P54941

You invested in IOVANCE BIOTHERAPEUTICS, 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 shareholder meeting to be held on June 11, 2021.

Get informed before you vote

View the Notice and Proxy Statement and Annual Report online OR you can receive a free paper or email copy of the material(s) by requesting prior to May 28, 2021. If you would like to request a copy of the material(s) for this and/or future shareholder meetings, you may (1) visit www.ProxyVote.com, (2) call 1-800-579-1639 or (3) send an email to 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.



*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 shareholder meeting. Please follow the instructions on the reverse side to vote these important matters.

IOVANCE BIOTHERAPEUTICS, INC. 2021 Annual Meeting Vote by June 10, 2021

11:59 PM ET

| Voting Items | | Board |
|--------------|---|--------|
| 1. | Election of Directors Nominees: 01) Iain Dukes, D. Phil. 05) Merrill A. McPeak 02) Maria Fardis, Ph.D., M.B.A. 06) Wayne P. Rothbaum 03) Athena Countouriotis, M.D. 07) Michael Weiser, M.D., Ph.D. 04) Ryan Maynard | Ser 60 |
| 2. | To approve, by non-binding advisory vote, the compensation of our named executive officers; and | For |
| 3. | To ratify the appointment of Ernst & Young LLP as our independent registered public accounting firm for our fiscal year ending December 31, 2021. | • For |

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