

Your **Vote** Counts!

IONIS PHARMACEUTICALS, INC.

2021 Annual Meeting

Vote by June 01, 2021

11:59 PM ET

IONIS PHARMACEUTICALS, INC.
2855 GAZELLE COURT
CARLSBAD, CALIFORNIA 92010
ATTN: CORPORATE SECRETARY



You invested in IONIS 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 June 02, 2021.**

Get informed before you vote

View the Notice & Proxy Statement, Form 10-K online OR you can receive a free paper or email copy of the material(s) by requesting prior to May 19, 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, (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.



For complete information and to vote, visit **www.ProxyVote.com**

Control #

Smartphone users

Point your camera here and
vote without entering a
control number



Vote Virtually at the Meeting*

June 02, 2021

2:00 PM PDT

Virtually at:

www.virtualshareholdermeeting.com/IONS2021

*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 Nominees: 01) Brett Monia 02) Frederick Muto 03) Peter Reikes		✓ For
2.	To approve an amendment of the Ionis Pharmaceuticals, Inc. 2011 Equity Incentive Plan to, among other things, increase the aggregate number of shares of common stock authorized for issuance under such plan by 6,700,000 shares to an aggregate of 29,700,000 shares and add a fungible share counting ratio.		✓ For
3.	To approve, by non-binding vote, executive compensation.		✓ For
4.	Ratify the Audit Committee's selection of Ernst & Young LLP as independent auditors for the 2021 fiscal year.		✓ For

NOTE: Such other business as may properly come before the meeting or any adjournment thereof.