

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 (Amendment No.)

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

IDERA PHARMACEUTICALS, 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 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: _____
- (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: _____
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MR A SAMPLE
DESIGNATION (IF ANY)

- ADD 1
- ADD 2
- ADD 3
- ADD 4
- ADD 5
- ADD 6

Online



Go to www.investorvote.com/IDRA or scan the QR code – login details are located in the shaded bar below.



Votes submitted electronically must be received by June 7, 2021 at 11:59 P.M., Eastern Time.



Phone

Call toll free 1-800-652-VOTE (8683) within the USA, US territories, and Canada.

Stockholder Meeting Notice

1234 5678 9012 345

Important Notice Regarding the Availability of Proxy Materials for the Idera Pharmaceuticals Inc. 2021 Annual Meeting of Stockholders to be Held on June 8, 2021 at 9:00 a.m. Eastern Time via teleconference

Under Securities and Exchange Commission rules, you are receiving this notice that the proxy materials for the annual stockholders' meeting are available on the Internet. Follow the instructions below to view the materials and vote online or request a copy. The items to be voted on and the teleconference phone number and meeting ID number for the annual meeting are on the reverse side. Your vote is important!

This communication presents only an overview of the more complete proxy materials that are available to you on the Internet. We encourage you to access and review all of the important information contained in the proxy materials before voting. The Proxy Statement and Annual Report on Form 10-K to stockholders are available at:

www.investorvote.com/IDRA



Easy Online Access – View your proxy materials and vote.

- Step 1:** Go to www.investorvote.com/IDRA.
- Step 2:** Click on the icon on the right to view meeting materials.
- Step 3:** Return to the investorvote.com window and follow the instructions on the screen to log in.
- Step 4:** Make your selections as instructed on each screen for your delivery preferences.
- Step 5:** Vote your shares.

When you go online, you can also help the environment by consenting to receive electronic delivery of future materials.



Obtaining a Paper Copy of the Proxy Materials - If you want to receive a paper copy of the proxy materials, you must request one. There is no charge to you for requesting a paper copy. Please make your request as instructed on the reverse side on or before May 25, 2021 to facilitate timely delivery.



2 N O T

C O Y



Stockholder Meeting Notice

Idera Pharmaceuticals Inc.'s 2021 Annual Meeting of Stockholders will be held on Tuesday, June 8, 2021 at 9:00 a.m. Eastern Time, via teleconference:

Phone: (844) 882-7837

International: (574) 990-9824

Conference ID: 1120087

Proposals to be voted on at the meeting are listed below along with the Board of Directors' recommendations.

The Board of Directors recommend a vote **FOR** each of the Class II director nominees listed below and **FOR** Proposals 2 and 3:

1. Election of Directors:
 - 01 - James A. Geraghty
 - 02 - Maxine Gowen, Ph.D.
2. Approval of the advisory vote on the compensation of the Company's named executive officers for 2020.
3. Ratification of the selection of Ernst & Young LLP as the Company's independent registered public accounting firm for the fiscal year ending December 31, 2021.

PLEASE NOTE - YOU CANNOT VOTE BY RETURNING THIS NOTICE. To vote your shares you must go online or request a paper copy of the proxy materials to receive a proxy card.



Here's how to order a paper or email copy of the proxy materials and select delivery preferences:

Current and future delivery requests can be submitted using the options below.

If you request an email copy, you will receive an email with a link to the current meeting materials.

PLEASE NOTE: You must use the number in the shaded bar on the reverse side when requesting a copy of the proxy materials.

- **Internet** - Go to www.investorvote.com/IDRA.
- **Phone** - Call us free of charge at 1-866-641-4276.
- **Email** - Send an email to investorvote@computershare.com with "Proxy Materials Idera Pharmaceuticals Inc." in the subject line. Include your full name and address, plus the number located in the shaded bar on the reverse side, and state that you want a paper copy of the meeting materials.

To facilitate timely delivery, requests for a paper copy of proxy materials must be received by May 25, 2021.
