



P.O. BOX 8016, CARY, NC 27512-9903

Your vote matters!



Have your ballot ready and please use one of the methods below for **easy voting**:

Your control number

Have the 12 digit control number located in the box above available when you access the website and follow the instructions.

Xenon Pharmaceuticals Inc.

Annual Meeting of Shareholders

for Shareholders of record as of April 7, 2026

Tuesday, June 2, 2026 9:30 AM, Pacific Time

Annual meeting to be held virtually via the internet - please visit www.proxydocs.com/XENE for more details.

**YOUR VOTE IS IMPORTANT! PROXIES MUST BE RECEIVED BY:
11:59 PM, Pacific Time, June 1, 2026.**



Internet:

www.proxypush.com/XENE

- Cast your vote online
- **Have your Proxy Card ready**
- Follow the simple instructions to record your vote



Phone:

1-866-356-9302

- Use any touch-tone telephone
- **Have your Proxy Card ready**
- Follow the simple recorded instructions



Mail:

- Mark, sign and date your Proxy Card
- Fold and return your Proxy Card in the postage-paid envelope provided

This proxy is being solicited on behalf of the Board of Directors

The undersigned hereby appoints Ian Mortimer and Thomas P. Kelly (the "Named Proxies"), and each or either of them, as the true and lawful attorneys of the undersigned, with full power of substitution and revocation, and authorizes them, and each of them, to vote all the shares of common shares of Xenon Pharmaceuticals Inc. which the undersigned is entitled to vote at said meeting and any adjournment thereof upon the matters specified and upon such other matters as may be properly brought before the meeting or any adjournment thereof, conferring authority upon such true and lawful attorneys to vote in their discretion on such other matters as may properly come before the meeting and revoking any proxy heretofore given.

A shareholder has the right to appoint a person to act for him or her or it and on his or her or its behalf at the meeting other than the Named Proxies. Such right may be exercised by filling in the name of such person in the blank space provided and striking out the names of Named Proxies above. A person appointed as nominee to represent a shareholder need not be a shareholder of the Corporation.

List name of alternate proxyholder here: _____

THE SHARES REPRESENTED BY THIS PROXY WILL BE VOTED AS DIRECTED OR, IF NO DIRECTION IS GIVEN, SHARES WILL BE VOTED IDENTICAL TO THE BOARD OF DIRECTORS RECOMMENDATION. This proxy, when properly executed, will be voted in the manner directed herein. In their discretion, the Named Proxies are authorized to vote upon such other matters that may properly come before the meeting or any adjournment or postponement thereof.

You are encouraged to specify your choice by marking the appropriate box (SEE REVERSE SIDE), but you need not mark any box if you wish to vote in accordance with the Board of Directors' recommendation. The Named Proxies cannot vote your shares unless you sign (on the reverse side) and return this card.

PLEASE BE SURE TO SIGN AND DATE THIS PROXY CARD AND MARK ON THE REVERSE SIDE

Please make your marks like this:

THE BOARD OF DIRECTORS RECOMMENDS A VOTE: **FOR** EACH OF THE DIRECTOR NOMINEES LISTED, **FOR** PROPOSALS 3, 5, 6 AND 7 AND **ONE YEAR** FOR PROPOSAL 4

PROPOSAL	YOUR VOTE				BOARD OF DIRECTORS RECOMMENDS
1. To receive the financial statements of the Corporation for the financial year ended December 31, 2025 and the report of the Corporation's auditor thereon;					
2. To elect as directors of the Corporation the eight nominees named in the accompanying Proxy Statement and Management Information Circular to hold office until the next annual meeting of the Corporation or until their successors are duly elected;					
2.01 Dawn Svoronos	FOR <input type="checkbox"/>	AGAINST <input type="checkbox"/>			FOR
2.02 Gillian Cannon	<input type="checkbox"/>	<input type="checkbox"/>			FOR
2.03 Steven Gannon	<input type="checkbox"/>	<input type="checkbox"/>			FOR
2.04 Elizabeth Garofalo	<input type="checkbox"/>	<input type="checkbox"/>			FOR
2.05 Justin Gover	<input type="checkbox"/>	<input type="checkbox"/>			FOR
2.06 Patrick Machado	<input type="checkbox"/>	<input type="checkbox"/>			FOR
2.07 Ian Mortimer	<input type="checkbox"/>	<input type="checkbox"/>			FOR
2.08 Gary Patou	<input type="checkbox"/>	<input type="checkbox"/>			FOR
3. To approve, on an advisory basis, the compensation of the Corporation's named executive officers;	FOR <input type="checkbox"/>	AGAINST <input type="checkbox"/>	ABSTAIN <input type="checkbox"/>		FOR
4. To approve, on an advisory basis, the frequency of future shareholder advisory votes to approve the compensation of the Corporation's named executive officers;	1YR <input type="checkbox"/>	2YR <input type="checkbox"/>	3YR <input type="checkbox"/>	ABSTAIN <input type="checkbox"/>	1 YEAR
5. To approve the Corporation's 2026 Equity Incentive Plan;	FOR <input type="checkbox"/>	AGAINST <input type="checkbox"/>	ABSTAIN <input type="checkbox"/>		FOR
6. To appoint PricewaterhouseCoopers LLP as the Corporation's auditor to hold office until the next annual meeting of the Corporation;	FOR <input type="checkbox"/>	WITHHOLD <input type="checkbox"/>			FOR
7. To authorize the Audit Committee of the board of directors of the Corporation to fix the remuneration to be paid to the auditors of the Corporation; and	FOR <input type="checkbox"/>	AGAINST <input type="checkbox"/>	ABSTAIN <input type="checkbox"/>		FOR
8. To conduct such other business as may properly be brought before the Meeting or any adjournment thereof.					

You must register to attend the meeting online and/or participate at www.proxydocs.com/XENE

Authorized Signatures - Must be completed for your instructions to be executed.

Please sign exactly as your name(s) appears on your account. If held in joint tenancy, all persons should sign. Trustees, administrators, etc., should include title and authority. Corporations should provide full name of corporation and title of authorized officer signing the Proxy/Vote Form.

Signature (and Title if applicable)

Date

Signature (if held jointly)

Date