## ANNUAL MEETING OF SHAREHOLDERS OF XENON PHARMACEUTICALS INC.

June 3, 2021

Please sign, date and mail your proxy card in the envelope provided as soon as possible.

	IVELOPE. PLEASE MARK YOUR VOTE IN BLUE OR BLACK INK AS SHOWN HERE X	
MANAGEMENT RECOMMENDS VOTING "FOR" ALL OF THE FOLLOWING ITEMS.		
1. Election of Directors	FOR WITHHOLD	Appointment of Proxyholder
Simon Pimstone		I/We being holder(s) of Common Shares of Xenon Pharmaceuticals Inc. (the
Mohammad Azab		"Corporation"), hereby appoint Simon Pimstone, Chief Executive Officer of the Corporation or failing him, Ian Mortimer, President and Chief Financial Officer of the
Steven Gannon		Corporation OR, instead of any of the foregoing
Elizabeth Garofalo		
Michael Hayden		Print the name of the person you are appointing if this person is someone other than the individuals listed above
Patrick Machado		as proxy of the undersigned, to attend, act and vote on behalf of the undersigned in accordance with the direction provided on all the foregoing matters and any other
Ian Mortimer		matter that may properly come before the Annual Meeting of Shareholders of the Corporation to be held at 11:30 a.m. PDT on June 3, 2021, to be held virtually via live
Gary Patou		webcast at https://web.lumiagm.com/254509977, and at any and all adjournments or
Dawn Svoronos		postponements thereof in the same manner, to the same extent and with the same powers as if the undersigned were personally present, with full power of substitution.
2. Compensation of Named Executive Officers	FOR AGAINST ABSTAIN	
Approve, on an advisory basis, the compensation of the Corporation's named executive officers		
3. Appointment of Auditor	FOR WITHHOLD	Request for Financial Statements
Appointment of KPMG LLP as Auditor		In accordance with Canadian securities regulations, shareholders may
Remuneration of Auditor     Authorizing the Audit Committee of the board of directors of the	FOR AGAINST ABSTAIN	elect to receive Interim Financial Statements and related MD&As, and may elect to not receive Annual Financial Statements and related MD&As.
Corporation to fix the remuneration to be paid to the Auditor		Instead of receiving the financial statements by mail, you may choose
		to view these documents on SEDAR at <u>www.sedar.com</u> .
I/We authorize you to act in accordance with my/our instructions set out above. I/We hereby revoke any proxy previously given with respect to the Meeting. If no voting instructions are indicated above, this Proxy will be voted FOR all of the foregoing items by any of the proxyholders appointed by management of the Corporation or, if you appoint another proxyholder, as that other proxyholder sees fit. On any amendments or variations proposed or any new business properly submitted before the Meeting, I/we authorize you to vote as you see fit.		I am a shareholder of the Corporation, and as such request the following:
		Annual Financial Statement with MD&A
		(Mark this box if you would NOT like to receive the Annual Financial
		Statements and related MD&A) Interim Financial Statement with MD&A
		(Mark this box if you would like to receive the Interim Financial
		Statements and related MD&A)
		If you are casting your vote online and wish to receive financial statements, please complete the online request for financial statements following your voting instructions.
		If the cut-off time has passed, please fax this side to 718-765-8730.
To change the address on your account, please check the box at r indicate your new address in the address space above. Please r changes to the registered name(s) on the account may not be submitties method.	note that	
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Signature of Shareholder	Date:	Signature of Shareholder Date:
Note: Please sign exactly as your name or names appear on this Proxy. When shares are held jointly, each holder should sign. When signing as executor, administrator, attorney, trustee or guardian, please give full title as such. If the signer is a corporation, please sign full corporate name by duly authorized officer, giving full title as such. If signer is a partnership, please sign in partnership name by authorized person.		