

BIOLINERX LTD.

**For the Annual General Meeting of Shareholders
to be held on December 2, 2021**

THIS PROXY IS SOLICITED ON BEHALF OF THE BOARD OF DIRECTORS

The undersigned shareholder of BioLineRx Ltd. (the “**Company**”) hereby appoints Mali Ze’evi and/or Raziel Fried, and each or either of them, the true and lawful attorney, agent and proxy of the undersigned, with full power of substitution, to vote, as designated below, all of the ordinary shares of the Company which the undersigned is entitled in any capacity to vote at the Annual General Meeting of the shareholders of the Company which will be held at the offices of the Company at Modi’in Technology Park, 2 HaMa’ayan Street, Modi’in 7177871, Israel, on December 2, 2021 at 3:00 p.m. (local time), and all adjournments and postponements thereof.

(CONTINUED AND TO BE SIGNED ON REVERSE SIDE)

SEE REVERSE SIDE

ANNUAL GENERAL MEETING OF SHAREHOLDERS OF

BIOLINERX LTD.

December 2, 2021

THIS PROXY WHEN PROPERLY EXECUTED WILL BE VOTED AS DIRECTED HEREIN.
IF NO DIRECTION IS INDICATED, THIS PROXY WILL BE VOTED "FOR" THE PROPOSALS HEREIN.

Please mark your vote for the following resolutions as in this example ☒

- | | FOR | AGAINST | ABSTAIN |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------|--------------------------|
| 1. TO RE-ELECT the following nominees to serve as directors of the Company for the coming year until the next annual general meeting of the Company's shareholders or until their respective successors are duly elected: | | | |
| a. Aharon Schwartz | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| b. Michael Anghel | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| c. B.J. Bormann | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| d. Raphael Hofstein | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| e. Sandra Panem | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. TO RE-APPOINT Kesselman & Kesselman, a member of PricewaterhouseCoopers International Limited, as the independent public auditors of the Company for the year ending December 31, 2021 and to authorize the Audit Committee of the Board of Directors to fix the compensation of said auditors in accordance with the scope and nature of their services. | FOR | AGAINST | ABSTAIN |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Name: _____

Number of shares: _____

Signature: _____

Date: _____

NOTE: Please mark date and sign exactly as the name(s) appear on this proxy. If the signer is a corporation, please sign the full corporate name by a duly authorized officer. Executors, administrators, trustees, etc. should state their full title or capacity. Joint owners should each sign.

BIOLINERX LTD.**Instructions to The Bank of New York Mellon, as Depositary
(Must be received prior to 12:00 p.m. EST on November 26, 2021)**

The undersigned registered owner of American Depositary Shares hereby requests and instructs The Bank of New York Mellon, as Depositary, to endeavor, in so far as practicable, to vote or cause to be voted the amount of Shares or other Deposited Securities represented by such Shares of BioLineRx Ltd. registered in the name of the undersigned on the books of the Depositary as of the close of business on **October 29, 2021** at the **Annual General Meeting** of the Shareholders of **BioLineRx Ltd.** to be held on **December 2, 2021** or any postponement or adjournment thereof in respect of the resolutions specified on the reverse.

NOTES:

1. Please direct the Depositary how it is to vote by placing an "X" in the appropriate box opposite each agenda item. It is understood that, if this form is signed and returned but no instructions are indicated in the boxes, then a discretionary proxy will be given to a person designated by the Company.
2. It is understood that, if this form is not signed and returned, the Depositary will deem such holder to have instructed the Depositary to give a discretionary proxy to a person designated by the Company.

(Continued and to be marked, dated and signed, on the other side)

PROXY TABULATOR FOR
BIOLINERX LTD.
P.O. Box 8016
CARY, NC 27512-9903

**Annual General Meeting of Shareholders of
BIOLINERX LTD.**

Date: December 2, 2021

See Voting Instruction On Reverse Side.

Please make your marks like this: ☒ Use dark black pencil or pen only

	For	Against	Abstain
1. To re-elect the following persons to the Board of Directors, each to serve until the next Annual General Meeting of shareholders:			
a. Aharon Schwartz	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Michael Anghel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. B.J. Bormann	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Raphael Hofstein	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Sandra Panem	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. To reappoint Kesselman & Kesselman, Certified Public Accountants (Isr.), a member firm of PricewaterhouseCoopers International Limited, as the Company's independent registered public accounting firm for the year ending December 31, 2021 and to authorize the Audit Committee of the Board of Directors to fix the compensation of said auditors in accordance with the scope and nature of their services.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Authorized Signatures - This section must be completed for your instructions to be executed.

Please Sign Here

Please Date Above

Please Sign Here

Please Date Above

**Annual General Meeting of Shareholders of
BIOLINERX LTD.**

**to be held on December 2, 2021
For Holders as of October 29, 2021**



- Mark, sign and date your Voting Instruction Form.
- Detach your Voting Instruction Form.
- Return your Voting Instruction Form in the postage-paid envelope provided.

All votes must be received prior to 12:00 p.m. EST on November 26, 2021.

To view the notice and proxy statement, please visit:

**PROXY TABULATOR FOR
BIOLINERX LTD.
P.O. BOX 8016
CARY, NC 27512-9903**

↑ Please separate carefully at the perforation and return just this portion in the envelope provided. ↑



EVENT #

CLIENT #

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