

PREDICTIVE ONCOLOGY INC.
ANNUAL MEETING OF STOCKHOLDERS
NOVEMBER 25, 2025

THIS REVOCABLE PROXY IS SOLICITED BY THE BOARD OF DIRECTORS

The undersigned hereby appoints Raymond Vennare and Josh Blacher, and each of them as proxies, each with full power of substitution, and authorizes them to represent and to vote all the shares of capital stock of Predictive Oncology Inc. (the "Company") which the undersigned is entitled to vote at the Annual Meeting of Stockholders and any adjournments or postponement thereof as thereafter specified upon the proposals listed and as more particularly described in the Proxy Statement for the Annual Meeting, receipt of which is hereby acknowledged, and in their discretion upon such other matters as may properly come before the meeting.

THIS PROXY, IF PROPERLY SIGNED AND DATED, WILL BE VOTED AS DIRECTED, BUT IF NO INSTRUCTIONS ARE SPECIFIED IT WILL BE VOTED "FOR" THE DIRECTOR NOMINEES AND "FOR" PROPOSALS 2, 3, 4 AND 5, AND, IN THEIR DISCRETION, UPON SUCH OTHER BUSINESS AS PROPERLY COMES BEFORE THE MEETING.

Should the undersigned be present and elect to vote at the Annual Meeting or at any adjournment thereof and after notifying the Company's Corporate Secretary at the Annual Meeting of the undersigned's decision to revoke this proxy, then the power of said attorneys and proxies shall be deemed terminated and of no further force and effect. This proxy may also be revoked by sending written notice to the Company's Corporate Secretary at the address set forth on the Notice of Annual Meeting, by voting via the Internet at a later time or by submitting a signed, later-dated proxy prior to a vote being taken on a proposal at the Annual Meeting.

The undersigned acknowledges receipt from the Company, prior to the execution of this proxy, of the Notice of Annual Meeting, the Proxy Statement for the Annual Meeting, and the Annual Report on Form 10-K.

Please complete, sign and date this proxy and return it promptly in the enclosed envelope.

The Board of Directors unanimously recommends a vote "FOR" the director nominees and "FOR" proposals 2, 3, 4 and 5.

- | | | |
|------------------------------------|--------------------------|--------------------------|
| 1. Elect two Class I Directors | FOR | WITHHOLD |
| 01. Daniel E. Handley, M.S., Ph.D. | <input type="checkbox"/> | <input type="checkbox"/> |
| 02. Chuck Nuzum | <input type="checkbox"/> | <input type="checkbox"/> |
2. Ratify the appointment of KPMG LLP as the Company's independent registered public accounting firm for the fiscal year ending December 31, 2025.
- | | | |
|------------------------------|----------------------------------|----------------------------------|
| <input type="checkbox"/> FOR | <input type="checkbox"/> AGAINST | <input type="checkbox"/> ABSTAIN |
|------------------------------|----------------------------------|----------------------------------|
3. Vote on a proposal to approve an amendment to the 2024 Equity Incentive Plan.
- | | | |
|------------------------------|----------------------------------|----------------------------------|
| <input type="checkbox"/> FOR | <input type="checkbox"/> AGAINST | <input type="checkbox"/> ABSTAIN |
|------------------------------|----------------------------------|----------------------------------|
4. Vote on a proposal to approve, in accordance with Nasdaq Listing Rule 5635(a), the issuance of 14,903,393 shares of the Company's common stock upon the exercise of pre-funded warrants to purchase 14,903,393 shares of common stock.
- | | | |
|------------------------------|----------------------------------|----------------------------------|
| <input type="checkbox"/> FOR | <input type="checkbox"/> AGAINST | <input type="checkbox"/> ABSTAIN |
|------------------------------|----------------------------------|----------------------------------|
5. Vote on a non-binding advisory resolution to approve compensation of the Company's executive officers.
- | | | |
|------------------------------|----------------------------------|----------------------------------|
| <input type="checkbox"/> FOR | <input type="checkbox"/> AGAINST | <input type="checkbox"/> ABSTAIN |
|------------------------------|----------------------------------|----------------------------------|

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.

Date: _____

Signature of Stockholder

Signature of Stockholder

NOTE: Please sign exactly as your name appears on this proxy. When signing as attorney, executor, administrator, trustee or guardian, please give full title. If shares are held jointly, each holder should sign.


☐ I agree to receive all future communications related to these holdings electronically via the email address provided below. I understand I am able to change this selection at any time in the future.



EMAIL ADDRESS: _____

VOTING INSTRUCTIONS ON REVERSE SIDE

Voting Instructions

You may vote your proxy in the following ways:

 Via Internet:

-  Login to <https://annualgeneralmeetings.com/poi2025/>
-  Enter your control number (12 digit number located below)

 Via Mail:

Pacific Stock Transfer Company
c/o Proxy Department
6725 Via Austi Parkway, Suite 300
Las Vegas, Nevada 89119

CONTROL NUMBER

You may vote by Internet 24 hours a day, 7 days a week. Internet voting is available through 11:59 p.m., Eastern Time, on November 24, 2025.

Your Internet vote authorizes the named proxies to vote in the same manner as if you marked, signed and returned your proxy card.