OLEMA ONCOLOGY, INC.

CHARTER OF THE AUDIT COMMITTEE OF THE BOARD OF DIRECTORS

PURPOSE

The purpose of the Audit Committee (the "***Committee***") of the Board of Directors of Olema Oncology, Inc. (the "***Company***") is to:

- oversee the Company's accounting and financial reporting processes, systems of internal control, financial statement audits and the integrity of the Company's financial statements;
- manage the selection, engagement terms, fees, qualifications, independence, and performance of the registered public accounting firms engaged as the Company's independent outside auditors for the purpose of preparing or issuing an audit report or performing audit services (the "***Auditors***");
- maintain and foster an open avenue of communication with the Company's management, internal audit group (if any) and Auditors;
- review any reports or disclosures required by applicable law and stock exchange listing requirements;
- oversee the design, implementation, organization and performance of the Company's internal audit function (if any);
- help the Board oversee the Company's legal and regulatory compliance, and risk assessment and risk management; and
- provide regular reports and information to the Board.

COMPOSITION

The members of the Committee, including the Chairperson, will be members of the Board appointed by, and will serve at the discretion of, the Board. Vacancies occurring on the Committee will be filled by the Board. Resignation or removal of a Committee member from the Board for any reason will automatically constitute resignation or removal from the Committee.

The Committee will consist of at least three members of the Board. Each member of the Committee will satisfy the independence, financial literacy and other requirements imposed by applicable law and stock exchange listing and Securities and Exchange Commission ("***SEC***") requirements and any other qualifications determined by the Board. In addition, at least one member of the Committee will satisfy the applicable financial-sophistication requirements and any other requirement for accounting or related financial management expertise required by applicable law and stock exchange listing requirements. In addition, each member of the Committee must not have participated in the preparation of the financial statements of the Company or any current subsidiary of the Company at any time during the past three years.

AUTHORITY

The Committee will have access to all Company books, records, facilities and personnel as deemed necessary or appropriate by any member of the Committee. If the Committee concludes that it must retain legal, accounting or other outside advisors, it may do so and determine compensation for those advisors at the Company's expense. The Committee may also pay any ordinary administrative expenses it deems appropriate in carrying out its duties at the expense of the Company. The Committee will have authority to require that any of the Company's personnel or outside advisors attend any meeting of the Committee or meet with any member of the Committee or any of its advisors.

The Chairperson shall have the delegated authority to act on behalf of the Committee in connection with (1) approval of the retention of outside service providers and advisors (including negotiation and execution of their engagement letters), (2) preapproval of audit or non-audit services, (3) reviewing with management the Company's proposed earnings press releases and other financial information and guidance regarding the Company's results of operations provided publicly or to ratings agencies, (4) approval of payment of expenses incurred by the Committee described in the previous paragraph, and (5) as may otherwise be determined by the Committee. The Committee also may form and delegate authority to one or more subcommittees consisting of one or more members of the Board (whether or not he, she or they are on the Committee) to the extent allowed under applicable law and stock exchange listing requirements. By delegating an issue to the Chairperson or a subcommittee, the Committee does not surrender any authority over that issue. Although the Committee may act on any issue that has been delegated to the Chairperson or a subcommittee, doing so will not limit or restrict future action by the Chairperson or subcommittee on any matters delegated to it. Any action or decision of the Chairperson or a subcommittee will be presented to the full Committee at its next scheduled meeting. By approving this Charter, the Board delegates authority to the Committee with respect to these responsibilities.

RESPONSIBILITIES

The Committee's responsibilities are for oversight, as described under "Purpose" above. The members of the Committee are not employees of the Company, and they do not perform management's or any Auditors' functions. The Committee relies on the expertise and knowledge of management, the internal auditors (if any), and any Auditors in carrying out its oversight responsibilities. Management is responsible for preparing accurate and complete financial statements in accordance with GAAP, crafting periodic reports, and establishing and maintaining appropriate accounting principles and financial reporting policies and satisfactory internal control over financial reporting. The Auditors will audit the Company's annual consolidated financial statements and, when required, the effectiveness of the Company's internal control over financial reporting and review the Company's quarterly financial statements. It is not the Committee's responsibility to prepare or certify the Company's financial statements, guarantee the audits or reports of the Auditors, certify as to whether any Auditors are "independent" under applicable law or stock exchange listing requirements, or ensure that the financial statements or periodic reports are complete and accurate, conform to GAAP, or otherwise comply with applicable law or stock exchange listing requirements or the Company's policies.

The Committee shall have the following responsibilities; provided, however, that this list of responsibilities is intended to be a guide and to remain flexible to account for changing circumstances and needs. Accordingly, the Committee may depart from or supplement such responsibilities, and establish policies and procedures, to the extent permitted by applicable law and stock exchange listing requirements.

Auditor Management

1. Hiring and Selecting Auditors. The Committee will evaluate, determine whether to retain, and determine the fees of any Auditors and any other registered public accounting firm engaged for the financial reporting process. In addition, the Committee may replace any existing Auditors or other registered

public accounting firm engaged for the financial reporting process with a different public accounting firm.

2. Approving Audit and Non-Audit Engagements. The Committee will review audit plans, the adequacy of staffing, the fees to be paid to Auditors, and oversee the negotiation and execution of any engagement letters on behalf of the Company. The Committee will monitor the rotation of the Auditors' partners on the Company's audit engagement team as required by applicable law and stock exchange listing requirements. The Committee will review and approve all audit and non-audit related services that the Auditors provide to the Company before the engagement begins, unless applicable law and stock exchange listing requirements allow otherwise. The Committee may establish pre-approval policies and procedures or delegate pre-approval authority to one or more Committee members as permitted by applicable law and stock exchange listing requirements.

3. Auditor Independence. Periodically, as the Committee determines to be appropriate, the Committee will assess the qualifications, performance, and independence of the Auditors, or in the case of prospective Auditors, the Committee will perform such assessment before they are engaged. That assessment will include reviewing written disclosures from any Auditors regarding any relationships they have that may affect independence, as defined by applicable law and stock exchange listing requirements. The Committee will review a written statement from any Auditors affirming their independence, and assess, consider, and discuss with them any potential relationships concerning their objectivity and independence.

4. Former Employees of Auditors. The Committee will oversee the policies and procedures as required by applicable law and stock exchange listing requirements governing how the Company may employ individuals who are or once were employed by the Auditors.

Financial Review and Disclosure

5. Annual Audit Results. The Committee will review with management and the Auditors the results of the Company's annual financial statement audit, including:

- the Auditors' assessment of the quality of the Company's accounting principles and practices;
- the Auditors' views about qualitative aspects of the Company's critical accounting policies and practices and the reasonableness of significant judgments and estimates (including material changes in estimates and analyses of the effects of alternative treatments of financial information under U.S. generally accepted accounting principles ("***GAAP***") methods on the financial statements);
- all known and likely misstatements identified during the audit (other than those the Auditors believe to be trivial);
- the adequacy of the disclosures in the financial statements; and
- any other matters that the Auditors must communicate to the Committee under applicable accounting or auditing standards.

6. Audited Financial Statement Review; Quarterly and Annual Reports. The Committee will review the annual audited financial statements, the quarterly financial statements and the Company's "Management's Discussion and Analysis of Financial Condition and Results of Operations" and "Risk Factors," as appropriate, with management and the Auditors. The Committee will be responsible for recommending to the Board whether the proposed annual audited financial statements should be included in the Company's Annual Report on Form 10-K.

7. Earnings Announcements. The Committee will review and discuss with management and the Auditors any proposed earnings press releases and other financial information and guidance regarding the Company's results of operations provided publicly or to ratings agencies.

8. Proxy Report. The Committee will oversee the preparation of any report of the Committee required by applicable law or stock exchange listing requirements to be included in the Company's annual proxy statement.

9. Accounting Principles and Policies. The Committee will review and discuss with management and the Auditors significant issues regarding accounting principles and financial-statement presentation, including:

- critical accounting policies and practices, including any significant changes in the Company's selection or application of accounting principles;
- alternative accounting policies available under GAAP;
- the potential impact on the Company's financial statements of alternative treatments and any off-balance sheet structures; and
- any other significant reporting issues and judgments, significant regulatory, legal, and accounting initiatives, or developments that may have a material impact on the Company's financial statements, compliance programs, and policies.

The Committee will review with the Auditors and management, if appropriate, any written communication, such as any management letter or internal-control letter and monitor management's response to such communications. At least annually, the Committee will discuss with the Auditors the matters required to be discussed by Auditing Standard No. 1301, Communications with Audit Committees, as adopted by the PCAOB (including any successor rule adopted by the PCAOB).

10. Management Cooperation with Audit. The Committee will evaluate management's cooperation with the Auditors during their audit examination, including any significant difficulties or disagreements encountered during the audit, if any.

Internal Control and Procedures

11. Risk Assessment and Management. The Committee will review and discuss with management and the Auditors the Company's processes and policies on risk identification, management and assessment in all areas of the Company's business, but the Board shall continue to have overall responsibility for evaluating key business risks faced by the Company, including but not limited to information security, competition, and regulation. Areas of focus for the Committee shall include the Company's policies and other matters relating to the Company's investments, cash management and foreign exchange management, major financial risk exposures, accounting, tax, the adequacy and effectiveness of the Company's information security policies and practices and the internal controls regarding data privacy, information security and cybersecurity, and the steps taken by management to monitor and mitigate or otherwise control these exposures and to identify future risks.

12. Cybersecurity Risks. In connection with its monitoring and oversight role with regard to cybersecurity risks affecting the Company, the Audit Committee shall receive periodic reports from management on the Company's assessment and management of cybersecurity risks, periodically evaluate the Company's disclosure controls with respect to cybersecurity risks and incidents, review any reports from

management on material breaches, review the Company's processes for identifying, assessing, and managing such risks, and oversee the disclosure of any significant risks and incidents to the extent required by applicable law, including SEC rules and regulations.

13. Internal Auditors. The Company does not currently have an Internal Audit function. If said function is established and becomes operational, the Committee will review the audit plan of the Company's internal audit team and discuss with that team the adequacy and effectiveness of the Company's scope, staffing, and general audit approach. The Committee will review any significant reports prepared by the Company's internal auditors, as well as management's response. The head of the internal auditors will also report to and be evaluated by the Committee.

14. Internal Control over Financial Reporting; Disclosure Controls. The Committee will confer with management and the Auditors concerning the scope, design, adequacy and effectiveness of internal control over financial reporting and the Company's disclosure controls and procedures, including disclosure controls and procedures relating to cybersecurity incidents. The Committee will review reports on significant findings and recommendations with respect to internal controls over financial reporting, together with management responses and any special audit steps adopted in light of any material control deficiencies.

15. Correspondence with Regulators. The Committee will consider and review with management, the Auditors, outside advisors, counsel or accountants any correspondence with regulators or governmental agencies and any published reports that raise material issues regarding the Company's financial statements or accounting policies, as well as any other legal matters that have been brought to the Committee's attention and that could have a significant impact on the Company's financial statements.

16. Internal Control Report. At least annually (if required by applicable stock exchange listing requirements) or as may otherwise be determined by the Committee, the Committee will review a report by the Auditors describing its internal quality-control procedures and any material issues raised by (a) that firm's internal quality-control review, (b) any peer review of the firm's internal quality-control procedures or review, or (c) any inquiry or investigation by governmental or professional authorities conducted in the last five years of any audit performed by the Auditors.

17. Complaint Procedures. The Committee will oversee procedures for receiving, retaining, and investigating the following:

- complaints received by the Company regarding accounting, internal accounting controls, or auditing matters; and
- confidential and anonymous submissions by employees concerning questionable accounting or auditing matters.

In addition, the Committee will oversee procedures for receiving, retaining, and investigating any "hotline" complaints or submissions delegated to the Committee by the Board.

18. Ethical Compliance. The Committee will review the results of management's efforts to monitor compliance with the Company's programs and policies designed to ensure compliance with applicable laws and stock exchange listing requirements, including the Company's Code of Business Conduct and Ethics.

19. Related Party Transactions. The Committee will review and approve or ratify, in accordance with the Company's policies, any related party transaction as defined by applicable law and stock exchange listing requirements.

Other Matters

20. Committee Self-Assessment. The Committee evaluate its performance and the adequacy of this Charter periodically as the Committee deems appropriate, or as frequently as may be required by the SEC and stock exchange listing standards.

21. Other Legal and Finance Matters. The Committee will review with management legal and regulatory compliance and any actual, pending or threatened legal or financial matters that could significantly affect the Company's business or financial statements or as otherwise deemed appropriate by the Committee.

MEETINGS AND MINUTES

The Committee will meet whenever its members deem a meeting necessary or appropriate. The Committee will determine where and when to meet.

The Committee may request any officer or employee of the Company, the Company's outside counsel or other advisors, and such other persons as it deems appropriate in order to carry out its responsibilities, to attend a Committee meeting. The Committee may exclude from its meetings any persons it deems appropriate in order to carry out its responsibilities. Unless otherwise determined by the Committee, each regularly scheduled meeting will conclude with an executive session that excludes members of management. As part of its responsibility to foster open communication, the Committee will meet periodically with management, personnel in charge of the internal audit function (if any) and the Auditors in separate executive sessions. From time to time, or when requested by the Board, the Chairperson of the Committee will report to the Board.

The Committee will maintain written minutes of its meeting and regularly report to the Board on its actions and recommendations. The Committee may act by unanimous written consent; when it does so, those actions will be filed in the minute book.

Approved by the Board of Directors: October 15, 2026
Effective: November 12, 2026