

## **ORCHID BIOSCIENCES, INC.**

### **AUDIT COMMITTEE CHARTER**

#### **I. PURPOSE**

The Audit Committee shall provide assistance to the board of directors (the “Board”) of Orchid BioSciences, Inc. (the “Corporation”) in fulfilling the Board’s responsibility to the Corporation’s shareholders relating to the Corporation’s accounting, financial reporting practices, and the quality and integrity of its financial reports. The Audit Committee’s primary duties and responsibilities are to:

- Oversee that management has maintained the reliability and integrity of the accounting policies, financial reporting and disclosure practices of the Corporation;
- Oversee that management has established and maintained an independent relationship with its external auditor;
- Oversee that management has established and maintained processes to assure that an adequate system of internal control of financial reporting is functioning within the Corporation; and
- Oversee that management has established and maintained processes to assure compliance by the Corporation with all applicable laws, regulations and corporate policy.

The Audit Committee intends to fulfill these responsibilities primarily by carrying out the activities enumerated in Section IV of this Charter.

#### **II. COMPOSITION**

The Audit Committee shall be comprised of three or more directors as determined by the Board, each of whom shall be independent, in that each Audit Committee member may not, other than in his or her capacity as a director or member of any committee of the Board, (i) accept any consulting, advisory, or other compensatory fee from the Corporation; or (ii) be an affiliated person of the Corporation or any subsidiary thereof. In addition, each Audit Committee member shall meet the independence requirements of NASD Rule 4200, which governs the Nasdaq Stock Market (“Nasdaq”), as such requirements may be changed from time to time; provided, that any non-independent director serving on the Audit Committee pursuant to the “exceptional and limited circumstances” exception available under Nasdaq rules may not serve on the Audit Committee for more than two (2) years; and provided, further, that such non-independent director may not be permitted to serve as chair of the Audit Committee.

All members of the Audit Committee shall be familiar with basic finance and accounting practices and shall be able to read and understand fundamental financial statements at the time of

their appointment to the Audit Committee. Furthermore, at least one member of the Audit Committee shall be financially sophisticated as defined by having experience in finance or accounting, professional certification in accounting, or any other comparable experience or background, such as being or having been a CEO or CFO or other senior officer with financial oversight responsibilities. The Corporation shall disclose, in its annual report, whether or not, and if not, the reasons therefor, the Audit Committee includes at least one Audit Committee Financial Expert, as defined by the Securities Exchange Act of 1934, as amended.

The members of the Audit Committee shall be elected by the Board at the annual organizational meeting of the Board and shall hold office until their resignations or until their successors shall be duly elected and qualified. Unless a Chair is elected by the full Board, the members of the Audit Committee may designate a Chair by majority vote of the full Audit Committee membership.

### **III. MEETINGS**

The Audit Committee shall meet in executive session at least two times per year, or more frequently as circumstances dictate. As part of its job to foster open communication, the Audit Committee should meet separately, at least annually, with management, the director of the internal auditing department and the independent auditor to discuss any matters that the Audit Committee or each of these groups believe should be discussed privately. In addition, the Audit Committee or at least its Chair should meet separately with the independent auditor, and management quarterly to review the Corporation's financial statements in accordance with Section IV below.

### **IV. RESPONSIBILITIES AND DUTIES**

The Audit Committee, in its capacity as a committee of the Board, shall be directly responsible for the appointment, retention, compensation, evaluation, oversight and, if necessary, termination of the registered public accounting firm(s) employed by the Corporation (including resolution of disagreements between management and the auditor regarding financial reporting) for the purpose of preparing or issuing an audit report or related work, and each registered public accounting firm shall report directly to the Audit Committee. To fulfill its responsibilities and duties, the Audit Committee shall:

#### Documents/Reports Review

1. Review and reassess, at least annually, the adequacy of this Charter and make recommendations to the Board, as conditions dictate, to update this Charter.
2. Review with management and the independent auditor the Corporation's annual financial statements and Form 10-K prior to the filing of the Form 10-K or prior to the release of earnings, including a discussion with the independent auditor of the matters required to be discussed by Statement of Auditing Standards No. 61 ("SAS No. 61").

3. Review with management and the independent auditor each Form 10-Q prior to its filing or prior to the release of earnings, including a discussion with the independent auditor of the matters required to be discussed by SAS No. 61. The Chair of the Audit Committee may represent the entire Audit Committee for purposes of this review.
4. Review with management and the independent auditor the effect of regulatory and accounting initiatives that may affect the Corporation, as well as the effect of any off-balance sheet structures and transactions on the Corporation's financial statements.

#### Independent Auditor

5. Review the performance of the independent auditor and appoint or terminate the independent auditor. The Audit Committee has the sole authority and responsibility to select, evaluate, and where appropriate, replace the outside auditor. The independent auditor is ultimately accountable to the Audit Committee for such auditor's review of the financial statements and controls of the Corporation. The Audit Committee shall determine the appropriate compensation of the independent auditor.
6. Approve in advance all audit services and all permitted non-audit services, except where such services are determined to be *de minimis* under the Exchange Act. The Audit Committee may delegate, to one or more designated members of the Audit Committee, the authority to grant such pre-approvals. The decisions of any member to whom such authority is delegated shall be presented to the full Audit Committee at each of its scheduled meetings.
7. Oversee and ensure the independence of the auditor by:
  - receiving from, and reviewing and discussing with, the auditor, on a periodic basis, a formal written statement delineating all relationships between the auditor and the Corporation consistent with Independence Standards Board Standard 1 ("ISB No. 1");
  - reviewing, and actively discussing with the Board, if necessary, and the auditor, on a periodic basis, any disclosed relationships or services between the auditor and the Corporation or any other disclosed relationships or services that may impact the objectivity and independence of the auditor;
  - recommending, if necessary, that the Board take appropriate action to satisfy itself of the auditor's independence; and
  - ensuring that the lead or coordinating audit partner having primary responsibility for the audit, or the audit partner responsible for reviewing the audit does not perform audit services for the Corporation for more than five (5) consecutive fiscal years.
8. Set clear hiring policies for employees or former employees of the Corporation's independent auditor.

### Financial Reporting Process

9. In consultation with the independent auditor and the internal auditors, review the integrity of the Corporation's financial reporting processes, both internal and external. The Audit Committee shall report regularly to and review with the full Board any issues that arise with respect to the quality or integrity of the Corporation's financial statements, compliance with legal or regulatory requirements, the performance and independence of the independent auditor, or the performance of the internal audit function.
10. Consider and approve, if appropriate, changes to the Corporation's auditing and accounting principles and practices as suggested by the independent auditor, management, or the internal auditing department.
11. Ensure that there exist regular systems of reporting to the Audit Committee by each of management, the independent auditor and the internal auditor regarding any significant judgments made in management's preparation of the financial statements and any significant difficulties encountered during the course of the review or audit, including any restrictions on the scope of work or access to required information.
12. Regularly review any significant disagreements among management and the independent auditor or the internal auditing department in connection with the preparation of the financial statements.
13. Ensure and oversee timely reports from the independent auditor to the Audit Committee of (i) all critical accounting policies and practices; (ii) all alternative treatments of financial information within generally accepted accounting principles that have been discussed with management officials of the Corporation, ramifications of the use of such alternative disclosures and treatments, and the treatment preferred by the independent auditor; and (iii) other material written communications between the independent auditor and the management of the Corporation, such as any management letter or schedule of unadjusted differences.

### Legal Compliance/General

14. Review, with the Corporation's counsel, any legal matter that could have a significant impact on the Corporation's financial statements.
15. Report through its Chair to the Board following meetings of the Audit Committee.
16. Maintain minutes or other records of meetings and activities of the Audit Committee.
17. Review and approve, prior to the Corporation's entry into any such transactions, all transactions between the Corporation and its executive officers, members of its Board, beneficial holders of more than 5% of the Corporation's securities, immediate family

members of any of the foregoing persons, and any other parties whom the Board determines may be considered to be related parties.

18. When deemed necessary by the members of the Audit Committee, retain independent legal, accounting or other advisors or consultants to advise and assist the Audit Committee in carrying out its duties, without needing to seek approval for the retention of such advisors or consultants from the Board. The Audit Committee shall determine the appropriate compensation for any advisers retained by the Audit Committee. The Audit Committee may request any officer or employee of the Corporation or the Corporation's outside counsel or independent auditor to attend a meeting of the Audit Committee or to meet with any members of, or consultants to, the Audit Committee.
19. Establish procedures for (i) the receipt, retention, and treatment of complaints received by the Corporation regarding accounting, internal accounting controls, or auditing matters; and (ii) the confidential, anonymous submission by employees of the Corporation of concerns regarding questionable accounting or auditing matters.
20. Perform any other activities consistent with this Charter, the Corporation's by-laws, and governing law, as the Audit Committee or the Board deems necessary or appropriate.

#### **V. COMPENSATION**

Audit Committee members shall be compensated by the Corporation solely in the form of directors' fees. Audit Committee members may, however, receive greater fees than those received for Board service by other Board members, in light of their heightened responsibilities to the Corporation.

The Audit Committee's responsibility is oversight. Management of the Corporation has the responsibility for the Corporation's financial statements as well as the Corporation's financial reporting process, principles, and internal controls. The independent auditor is responsible for performing an audit of the Corporation's annual financial statements, expressing an opinion as to the conformity of such annual financial statements with generally accepted accounting principles, reviewing the Corporation's quarterly financial statements and other procedures. Each member of the Audit Committee shall be entitled to rely on (i) the integrity of those persons within the Corporation and of the professionals and experts (such as the independent auditor) from which it receives information, (ii) the accuracy of the financial and other information provided to the Audit Committee by such persons, professionals or experts absent actual knowledge to the contrary and (iii) representations made by management of the independent auditor as to any non-audit services provided by the independent auditor to the Corporation.