

**Charter of the Compensation Committee  
of the  
Board of Directors  
of  
VIACELL, INC.**

I. Organization and Governance of the Committee. There shall be a committee of the Board of Directors (the “**Board**”) of ViaCell, Inc. (the “**Company**”) to be known as the compensation committee (the “**Committee**”). The Committee shall be composed of at least two directors, each of whom shall satisfy the independence requirements of The Nasdaq Stock Market and who shall be appointed by the Nominating and Corporate Governance Committee of the Board. Members of the Committee may be removed at the Board's discretion. In addition, at least two members of the Committee shall each qualify as an “outside director” within the meaning of Section 162(m) of the Internal Revenue Code and be a “non-employee director” within the meaning of Rule 16b-3 under the Securities Exchange Act of 1934.

In order to fulfill its role, the Committee shall be organized and governed in the following manner:

- Action may be taken by the Committee (or any subcommittee of the Committee) upon the affirmative vote of a majority of the members of the Committee (or subcommittee);
- Any two members or the Chairman of the Committee may call a meeting of the Committee upon due notice to each other member at least 48 hours prior to the meeting (provided that participation in any meeting shall be deemed to constitute waiver of any deficiency in such notice);
- Action may be taken by the Committee without a meeting if all of the members of the Committee indicate their approval thereof in writing; and
- The Committee shall have the authority to delegate to subcommittees of the Committee any of the responsibilities of the full Committee.

II. Statement of Purpose and Responsibilities. The Committee has direct responsibility to perform the following duties:

- Assist the Board in developing and evaluating potential candidates for executive positions (including the Chief Executive Officer (the “**CEO**”)) and oversee the development of executive succession plans.
- Review and approve corporate goals and objectives relevant to CEO and other executive officer compensation, and evaluate the CEO's and other executive officers' performance in light of those goals and objectives;

- Either as a committee or together with the other independent directors (as directed by the Board), determine and approve the CEO's and other executive officers' compensation level based on this evaluation;
- Review the Company's policies concerning perquisites provided to the Company's executive officers, including benefits provided upon retirement or other termination of employment;
- Make recommendations to the Board regarding compensation, if any, of the Board and of the Board committees;
- Make recommendations to the Board regarding the adoption of new employee incentive compensation plans and equity-based plans and administer the Company's existing incentive compensation plans and equity-based plans, including reviewing and approving stock option grants;
- Produce a compensation committee report on executive compensation for inclusion in the Company's annual proxy statement in accordance with the proxy rules of the U.S. Securities and Exchange Commission.
- Review and assess the adequacy of this charter and submit any changes to the Board for approval;
- Report its actions and any recommendations to the Board on a periodic basis;
- Annually perform, or participate in, an evaluation of the performance of the Committee, the results of which shall be presented to the Board; and
- Review such other matters as the Board or the Committee shall deem appropriate.

IV. Powers of the Compensation Committee. In order to fulfill its role, the Committee shall have the power to:

- Adopt, administer, amend or terminate compensation plans applicable to any class of employees of the Company and/or any subsidiary of the Company; provided that no adoption, amendment or termination of any compensation plan under which stock may be issued, or in which a member of the Board may be a participant, shall be effective unless the same shall be approved by the Board and, to the extent required by law or the rules of the Nasdaq Stock Market, by the stockholders; provided, further, that no adoption, amendment or termination of any compensation plan may be made that violates this Charter or the charter of any other committee of the Board; and
- When it is determined by the Committee that a consulting firm (or other expert) is to assist in the assessment of the CEO's or other senior executive officer's compensation, the Committee shall have the authority to retain and terminate such firm or experts and have the authority to approve the consulting firm or other expert's fee and other retention

terms. The Committee shall also have the authority to retain legal, accounting or other experts that it determines to be necessary to carry out its duties and to determine compensation for such advisors.