

## GENERATION BIO CO.

### TALENT COMMITTEE CHARTER

#### A. Purpose

The purpose of the Talent Committee of the Board of Directors (the “Board”) of Generation Bio Co. (the “Company”) is to oversee the discharge of the responsibilities of the Board relating to the talent and compensation practices for the Company, including compensation of the Company’s executive officers. The Talent Committee helps ensure that the Company’s talent strategy enables exceptional leadership, rich talent throughout the organization and a highly ethical, learning culture. The Talent Committee also ensures that the Company has adapted and executed compensation policies that are fair, competitive, in compliance with, and aligned with the Company’s success. The Talent Committee of the Board serves as the Company’s compensation committee.

#### B. Structure and Membership

1. Number. Except as otherwise permitted by applicable Nasdaq rules, the Talent Committee shall consist of at least two members of the Board.
2. Independence. Except as otherwise permitted by applicable Nasdaq rules, each member of the Talent Committee shall be an “independent director” as defined by Nasdaq Rule 5605(a)(2). In addition, in affirmatively determining the independence of any director who will serve on the Talent Committee, the Board shall consider all factors specifically relevant to determining whether a director has a relationship to the Company which is material to that director’s ability to be independent from management in connection with the duties of a talent committee member, including, but not limited to: (i) the source of compensation of the director, including any director, consulting, advisory or other compensatory fee paid by the Company to the director; and (ii) whether the director is affiliated with the Company, a subsidiary of the Company or an affiliate of a subsidiary of the Company.
3. Chair. Unless the Board elects a Chair of the Talent Committee, the Talent Committee shall elect a Chair by majority vote.
4. Compensation. The compensation of Talent Committee members shall be as determined by the Board.
5. Selection and Removal. Members of the Talent Committee shall be appointed by the Board, upon the recommendation of the Nominating and Corporate Governance Committee. The Board may remove members of the Talent Committee from such committee, with or without cause.

## C. Authority and Responsibilities

### General

The Talent Committee shall discharge its responsibilities, and shall assess the information provided to it by the Company's management and others, in accordance with its business judgment.

### Talent and Compensation Matters

1. Talent Strategy. The Talent Committee shall review and provide recommendations regarding the Company's talent strategy and people practices to enable exceptional leadership, rich talent throughout the organization and a highly ethical, learning culture.
2. Executive Officer Compensation. The Talent Committee shall review and approve, or recommend for approval by the Board, the compensation of the Company's Chief Executive Officer (the "CEO") and the Company's other executive officers, including salary, bonus and incentive compensation levels; deferred compensation; executive perquisites; equity compensation (including awards to induce employment); severance arrangements; change-in-control benefits and other forms of executive officer compensation. The CEO may not be present during voting or deliberations on his or her compensation.
3. Evaluation of Senior Executives. The Talent Committee shall be responsible for overseeing the evaluation of the Company's senior executives. In conjunction with the Audit Committee in the case of the evaluation of the senior financial management, the Talent Committee shall determine the nature and frequency of the evaluation and the persons subject to the evaluation, supervise the conduct of the evaluation and prepare assessments of the performance of the Company's senior executives, to be discussed periodically with the Board.
4. Plan Recommendations and Approvals. The Talent Committee shall periodically review and make recommendations to the Board with respect to incentive-compensation and equity-based plans that are subject to approval by the Board. In addition, the Talent Committee, or a majority of the independent directors serving on the Board, shall approve any tax-qualified, non-discriminatory employee benefit plans (and any parallel nonqualified plans) for which stockholder approval is not sought and pursuant to which options or stock may be acquired by officers, directors, employees or consultants of the Company.
5. Administration of Equity-Based Plans. The Talent Committee shall exercise all rights, authority and functions of the Board under all of the Company's stock option, stock incentive, employee stock purchase and other equity-based plans, including without limitation, the authority to interpret the terms thereof, to grant options thereunder and to make stock awards thereunder; provided, however, that, except as otherwise expressly authorized to do so by this charter, any such plan or

a resolution of the Board, the Talent Committee shall not be authorized to amend any such plan. To the extent permitted by and consistent with applicable law and the provisions of a given equity-based plan, the Talent Committee may delegate to one or more executive officers of the Company the power to grant options or other stock awards pursuant to such equity-based plan to employees of the Company or any subsidiary of the Company who are not directors or executive officers of the Company. The Talent Committee, or a majority of the independent directors serving on the Board, shall approve any inducement awards to be granted in reliance on the exemption from stockholder approval contained in Nasdaq Rule 5635(c)(4).

6. Director Compensation. The Talent Committee shall periodically review and make recommendations to the Board with respect to director compensation.
7. Management Succession. The Talent Committee shall, at the request of the Board, periodically review and make recommendations to the Board relating to management succession planning, including policies and principles for CEO selection and performance review, as well as policies regarding succession in the event of an emergency or the retirement of the CEO.
8. Review and Discussion of Compensation Discussion and Analysis; Recommendation to Board. The Talent Committee shall review and discuss annually with management the Company's "Compensation Discussion and Analysis" required by Item 402(b) of Regulation S-K (the "CD&A"), if applicable. The Talent Committee shall consider annually whether it will recommend to the Board that the CD&A be included in the Company's Annual Report on Form 10-K, proxy statement on Schedule 14A or information statement on Schedule 14C.
9. Compensation Committee Report. The Talent Committee shall prepare the annual Compensation Committee Report required by Item 407(e)(5) of Regulation S-K.
10. Compensation Consultants, Legal Counsel and Other Advisors. The Talent Committee may, in its sole discretion, retain or obtain the advice of compensation consultants, legal counsel or other advisors. The Talent Committee shall be directly responsible for the appointment, compensation and oversight of the work of any compensation consultant, legal counsel and other advisor retained by the Talent Committee. The Talent Committee is empowered, without further action by the Board, to cause the Company to pay the compensation, as determined by the Talent Committee, of any compensation consultant, legal counsel and other advisor retained by the Talent Committee. The Talent Committee may select, or receive advice from, a compensation consultant, legal counsel or other advisor, only after taking into consideration the applicable factors affecting independence that are specified in Nasdaq Rule 5605(d)(3)(D).

11. Compensation Recovery Policies. The Talent Committee shall approve, or recommend for approval by the Board, the implementation or revision of any compensation recovery or “clawback” policies of the Company, and the Talent Committee shall oversee the administration of such policies.
12. Additional Duties. The Talent Committee shall have such other duties as may be delegated from time to time by the Board.

**D. Procedures and Administration**

1. Meetings. The Talent Committee shall meet as often as it deems necessary in order to perform its responsibilities. The Talent Committee may also act by unanimous written consent in lieu of a meeting, including via e-mail or other electronic transmission. The Talent Committee shall keep such records of its meetings as it shall deem appropriate.
2. Subcommittees. The Talent Committee may form and delegate authority to one or more subcommittees as it deems appropriate from time to time under the circumstances (including (a) a subcommittee consisting of a single member and (b) a subcommittee consisting of at least two members, each of whom qualifies as a “non-employee director,” as such term is defined from time to time in Rule 16b-3 promulgated under the Securities Exchange Act of 1934, as amended, and the rules and regulations thereunder).
3. Reports to Board. The Talent Committee shall report regularly to the Board.
4. Charter. At least annually, the Talent Committee shall review and reassess the adequacy of this Charter and recommend any proposed changes to the Board for approval.
5. Investigations. The Talent Committee shall have the authority to conduct or authorize investigations into any matters within the scope of its responsibilities as it shall deem appropriate, including the authority to request any officer, employee or advisor of the Company to meet with the Talent Committee or any advisors engaged by the Talent Committee.
6. Committee Self-Evaluation. The Talent Committee shall periodically evaluate its own performance.