

CABALETTA BIO, INC.

SCIENCE & TECHNOLOGY COMMITTEE CHARTER

I. General Statement of Purpose

The purposes of the Science & Technology Committee (the “S&T Committee”) of the Board of Directors (the “Board”) of Cabaletta Bio, Inc. (the “Company”) are to support Board oversight of the Company’s research and development (“R&D”) and manufacturing and supply activities, by providing a forum for review of strategic considerations and issues in such areas, as well as to evaluate relevant emerging technology and advances in the field.

II. Composition

The Company’s S&T Committee will be composed entirely of directors who satisfy the independence tests under the Nasdaq Stock Market Rules. The number of directors serving on the S&T Committee shall be fixed by the Board from time to time but shall consist of no fewer than two directors.

The members of the S&T Committee shall be appointed annually by the Board and may be replaced or removed by the Board at any time with or without cause. Resignation or removal of a Director from the Board, for whatever reason, shall automatically constitute resignation or removal, as applicable, from the S&T Committee. Vacancies, for whatever reason, may be filled by the Board. The Board shall designate one member of the S&T Committee to serve as Chair of the S&T Committee.

III. Meetings

The S&T Committee shall meet as often as it deems appropriate. The S&T Committee may meet in person or by conference telephone or other communications equipment by means of which all persons participating in the meeting can hear each other. A majority of the members of the S&T Committee shall constitute a quorum for purposes of a meeting, and the S&T Committee may act by a vote of a majority of members present at a meeting. The S&T Committee may also act by unanimous written consent.

IV. S&T Committee Activities

The S&T Committee’s purposes and responsibilities shall be to:

A. Review of Charter

- Review and reassess the adequacy of this Charter annually and submit any proposed changes to the Board for approval.

B. Annual Performance Evaluation of the S&T Committee

- Evaluate its performance annually and report the results to the Board.

C. Research & Development and Manufacturing Oversight

- Review, evaluate and advise the Board regarding the research and development goals, strategies and efforts of the Company, and their competitiveness in relationship to the broader field;
- Serve as a sounding board to the Company's scientific, medical, manufacturing and quality management, general management and the Board on research, development and manufacturing issues;
- Monitor and discuss emerging scientific trends and advancements relevant to the Company's industry, products and pipeline;
- Advise the Board on scientific and technological opportunities, risks, and challenges that may impact the Company's long-term growth and competitiveness;
- Review and advise on the Company's pre-clinical, translational and clinical programs, including the design, conduct, and results of clinical trials;
- Review and assess the Company's manufacturing strategy, technical operations, and appropriate integration of emerging advanced technology in process development evaluation and R&D strategic planning;
- Evaluate and advise on the Company's manufacturing capabilities and capacity to meet the projected demand for its clinical trials and commercialization;
- Evaluate and advise on lifecycle management planning and execution.
- Monitor the implementation of quality control measures and risk management practices to ensure product safety and efficacy; and
- Review the Company's scientific publication and communications plans.

D. General

- Establish and delegate authority to subcommittees consisting of one or more of its members, when it deems appropriate to discharge its responsibilities.
- Report regularly to the Board on matters for which it has been given responsibility.
- In performing its responsibilities, rely on advice and information it receives from management and any experts, advisers and other professionals whom it may consult.
- Have the authority to request that any officer or employee of the Company, the Company's outside legal counsel, the Company's independent auditor or any other professional retained by the Company meet the Committee or its members or advisers.
- Have the authority on whatever terms it approves to engage legal, accounting and other advisers to assist it in performing its responsibilities.
- Perform such other functions as the Board may request from time to time.

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Adopted by the Board of Directors of Cabaletta Bio, Inc. September 12, 2023.