CHARTER OF THE
RESEARCH AND DEVELOPMENT COMMITTEE
OF THE BOARD OF DIRECTORS OF
STOKE THERAPEUTICS, INC.

As adopted effective March 11, 2026

I. PURPOSE

The purpose of the Research and Development Committee (the "***Committee***") of the Board of Directors (the "***Board***") of Stoke Therapeutics, Inc. ("***Company***") is to advise the full Board on the Company's research and development ("***R&D***") strategies, including:

- advising on the Company's technologies, pipeline, R&D activities, and relevant scientific issues;
- advising on the scientific, technical and medical aspects of transactions; and
- advising on emerging trends and developments in science, technology, regulatory, pharmaceutical R&D, as well as their potential impact on the Company, to help assure the Company makes well-informed choices in committing scientific resources.

II. MEMBERSHIP

The Committee will consist of such number of directors as the Board shall determine from time to time. All members of the Committee will be appointed by the Board and will serve at the Board's discretion. Members of the Committee 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 Committee. The Board may appoint a member of the Committee to serve as the chairperson of the Committee (the "***Chair***"). If the Board does not appoint a Chair, the Committee members may designate a Chair by majority vote. In the event that the Committee has a Chair, the Chair will set the agenda for, preside over and conduct the proceedings of, Committee meetings.

III. RESPONSIBILITIES AND DUTIES

The principal responsibilities and duties of the Committee are set forth below. These responsibilities and duties are set forth as a guide, with the understanding that the Committee will carry them out in a manner that is appropriate given the Company's needs and circumstances. The Committee may perform such other functions as are consistent with its purpose and applicable law, rules and regulations, as the Board may request or prescribe, or as the Committee deems necessary or appropriate consistent with its purpose.

The Committee will:

- Advise the Board on the overall direction and effectiveness of the Company's R&D strategy, by evaluating management's progress and performance in achieving its goals and objectives and in mitigating associated risks;
- Regularly review Company's research candidates and pipeline as well as assess its progress in achieving its long-term strategic research and development goals and objectives;
- Assist the Board with its oversight responsibility for enterprise risk management in areas affecting Company's R&D activities;

- Identify, monitor and assess significant new, emerging trends and developments in science, regulatory, R&D, as well as their potential impact on the Company's programs, plans and policies; and

- Perform any other activities and functions as the Committee deems necessary or appropriate to carry out its responsibilities in assisting the Board in its oversight of the Company's R&D activities.

IV. STUDIES AND ADVISORS

The Committee may from time to time request any officer, employee or advisors of Company to meet with the Committee. The Committee may engage subject matter experts on an ad-hoc basis, as deemed appropriate. The Committee will have the sole authority to approve the fees and other retention terms of such advisors.

V. MEETINGS

The Committee shall meet ad hoc as often as it deems necessary by the Chair and/or the Company CEO, in order to perform its responsibilities. A quorum of the Committee for the transaction of business will be a majority of its members. Other members of the Board who are not members of the Committee, specific members of management and external advisers may be invited to attend all or part of any meeting, as and when appropriate. The Committee may also act by unanimous written consent in lieu of a meeting.

VI. MINUTES AND REPORTS

The Committee will maintain written minutes of its meetings and will file such minutes with the minutes of the meetings of the Board. The Committee will regularly report to the Board on its activities.

VII. DELEGATION OF AUTHORITY

The Committee may from time to time, as it deems appropriate and to the extent permitted under applicable law, form and delegate, either exclusively or non-exclusively, various subcommittees. Subcommittees of the Committee will consist of one or more members of the Committee who will regularly report on their activities to the Committee.

VIII. COMPENSATION

Members of the Committee will receive such fees, if any, for their service as Committee members as may be determined by the Board, which may include additional compensation for the Chair. Such fees may include retainers or per meeting fees and will be paid in such form of consideration as is determined by the Board in accordance with applicable law, the Exchange Rules and the Commission Rules

IX. REVIEW OF COMMITTEE COMPOSITION, PERFORMANCE AND CHARTER

On a periodic basis, the Committee will evaluate its composition and performance, as well as review and reassess the adequacy of this Charter. The Committee will submit proposed changes for approval by the Board, as appropriate.