

4D MOLECULAR THERAPEUTICS, INC.

AUDIT COMMITTEE CHARTER

This Audit Committee Charter (this “Charter”) was adopted by the Board of Directors (the “Board”) of 4D Molecular Therapeutics, Inc., a Delaware corporation (the “Company”), on November 25, 2020, and last amended on October 8, 2024.

I. Purpose

The purpose of the Audit Committee (the “Committee”) is to oversee the accounting and financial reporting processes of the Company and the audits of the financial statements of the Company.

The Committee’s responsibilities are limited to oversight. The Company’s management is responsible for establishing and maintaining accounting policies and procedures in accordance with generally accepted accounting principles (“GAAP”) and other applicable reporting and disclosure standards and for preparing the Company’s financial statements. The Company’s independent auditors are responsible for auditing and reviewing those financial statements. Each member of the Committee is entitled to rely on the integrity of those persons within the Company and from the professionals and experts from which the Committee receives information and, absent actual knowledge to the contrary, the accuracy of the financial and other information provided to the Committee by such persons, professionals or experts.

In addition to the powers and responsibilities expressly delegated to the Committee in this Charter, the Committee may exercise any other powers and carry out any other responsibilities delegated to it by the Board from time to time consistent with the Company’s bylaws (as in effect from time to time) and applicable law. The powers and responsibilities delegated by the Board to the Committee in this Charter or otherwise shall be exercised and carried out by the Committee as it deems appropriate without requirement of Board approval. While acting within the scope of the powers and responsibilities delegated to it, the Committee shall have and may exercise all the powers and authority of the Board.

II. Composition

The Committee must consist of at least three directors, subject to any available exception. Each Committee member must satisfy the independence and financial literacy requirements of the Nasdaq Stock Market LLC (“Nasdaq”) and the more rigorous independence rules for members of the Audit Committee issued by the Securities and Exchange Commission (the “SEC”), subject to any available exception. Each Committee member must be able to read and understand fundamental financial statements, including a company’s balance sheet, income statement and cash flow statement. In addition, at least one member of the Committee must be an “audit committee financial expert” as defined under SEC rules and financially sophisticated as defined under Nasdaq rules.

The members of the Committee, including the Chairperson of the Committee (the “Chair”), shall be appointed by the Board. Committee members may be removed from the Committee, with or without cause, by the Board. Unless a Chair is designated by the Board, the

Committee may designate a Chair by majority vote of the full Committee membership. The members of the Committee shall serve until their resignation, retirement, or removal by the Board or until their successors shall be appointed.

A member of the Committee may not, other than in his or her capacity as a member of the Committee, the Board or any other committee established by the Board, receive, directly or indirectly, any consulting, advisory, or other compensatory fee from the Company.

III. Meetings, Procedures and Authority

The Committee must meet at least once during each fiscal quarter. The Committee must meet separately, periodically, with management and the independent auditor.

The Chair (or in his or her absence, a member designated by the Chair) shall preside at each meeting of the Committee and set the agendas for Committee meetings. The Committee shall have the authority to establish its own rules and procedures for notice and conduct of its meetings so long as they are not inconsistent with any provisions of the Company's bylaws that are applicable to the Committee.

The Committee should meet as often as it determines advisable to fulfill its duties and responsibilities. Meetings of the Committee may be called by the Chair upon notice given at least twenty-four (24) hours prior to the meeting, or upon such shorter notice as shall be approved by the Committee. The Chair shall designate a secretary for each meeting who shall record minutes of all formal actions of the Committee. A majority of the Committee members, present in person or by phone or videoconference, shall constitute a quorum. A majority of the members present shall decide any questions brought before the Committee, except to the extent otherwise required by the Company's certificate of incorporation or bylaws (each as in effect from time to time). Unless otherwise restricted by the Company's bylaws, any action required or permitted to be taken at any meeting of the Committee may be taken without a meeting if all members of the Committee consent thereto in writing (including by electronic transmission), and such writing (including any electronic transmission) is filed with the minutes of the Committee.

The Committee shall keep regular minutes of any meetings where actions are taken (unless such actions are taken and reported to the Committee's satisfaction in the minutes of the Board meetings). Any such minutes kept by the Committee shall be distributed to each member of the Committee. The Corporate Secretary shall maintain the original signed minutes for filing with the corporate records of the Company. The Chair shall report to the Board regarding the activities of the Committee at appropriate times and as otherwise requested by the Chairperson of the Board.

The Committee may retain any independent counsel, experts or advisors that the Committee believes to be necessary or appropriate. The Company must provide for appropriate funding, as determined by the Committee, for payment of compensation to the independent auditor for the purpose of preparing or issuing an audit report or performing other audit, review or attestation services, for payment of compensation to any advisors employed by the Committee and for payment of ordinary administrative expenses of the Committee that are necessary or appropriate in carrying out its duties.

The Committee may conduct or authorize investigations into any matters within the scope of the duties and responsibilities delegated to the Committee. Without limiting the foregoing, the Committee is authorized to request that any officer or employee of the Company, any subject matter expert or professional retained by the Company to render advice to the Company, or any other subject matter expert or professional that the Committee may determine, attend a meeting of the Committee or meet with any members of, or advisors to, the Committee.

IV. Duties and Responsibilities

Interaction with the Independent Auditor

1. *Appointment and Oversight.* The Committee is directly responsible for the appointment, engagement, compensation, retention and oversight of the work of the independent auditor and any other registered public accounting firm engaged for the purpose of preparing or issuing an audit report or related work or performing other audit, review or attestation services for the Company (including resolution of any disagreements between Company management and the independent auditor or other registered public accounting firm regarding financial reporting), and the independent auditor and each such other registered public accounting firm must report directly to the Committee. Prior to engagement of any prospective independent auditor, the Committee should review a written disclosure by the prospective auditor of all relationships between the prospective auditor, or their affiliates, and the Company, or persons in financial oversight roles at the Company, that may reasonably be thought to bear on independence and discuss with the prospective auditors the potential effects of such relationships on the independence of the prospective auditor. The Committee shall monitor the rotation of partners of the independent auditor in accordance with requirements established by the SEC.

2. *Pre-Approval of Audit and Non-Audit Services and Fees.* The Committee, or the Chair of the Committee, must pre-approve any audit and non-audit services provided to the Company by the independent auditor, unless the engagement is entered into pursuant to appropriate preapproval policies established by the Committee or if such service falls within available exceptions under SEC rules. Other than with respect to the annual audit of the Company's consolidated financial statements, the Chair of the Committee is authorized to pre-approve other audit services and non-audit services provided to the Company by the independent auditor on behalf of the Committee and each such pre-approval decision will be presented to the full Committee at a subsequent meeting.

3. *Annual Report on Independence.* The Committee must ensure that the independent auditor prepares and delivers, at least annually, a written statement delineating all relationships between the independent auditor and the Company, must actively engage in a dialogue with the independent auditor with respect to any disclosed relationships or services that, in the view of the Committee, may impact the objectivity and independence of the independent auditor, and, if the Committee determines that further inquiry is advisable, must take appropriate action in response to the independent auditor's report to satisfy itself of the auditor's independence.

4. *Periodic Reports.* The Committee shall review periodically any reports prepared by the independent auditors and provided to the Committee relating to, among other things, the Company's critical accounting policies and practices; alternative treatments within generally

accepted accounting principles for policies and practices relating to material items that have been discussed with management, including the ramifications of the use of such alternative disclosures and treatments and the treatment preferred by the independent auditors; and any other material written communications between the independent auditors and management, such as any management letter or schedule of unadjusted differences.

Annual Financial Statements and Annual Audit

5. *Audit Problems.* The Committee must discuss with the independent auditor any audit problems or difficulties and management's response.

6. *Form 10-K Review.* The Committee must review and discuss the annual audited financial statements with management and the independent auditor, including the Company's disclosures under "Management's Discussion and Analysis of Financial Condition and Results of Operations" and recommend to the Board whether the audited financial statements should be included in the Company's Form 10-K.

7. *Audit Committee Report.* The Committee must provide the Company with the report of the Committee with respect to the audited financial statements for inclusion in each of the Company's annual proxy statements.

Quarterly Financial Statements

8. *Form 10-Q Review.* The Committee should review and discuss the quarterly financial statements with management and the independent auditor, including the Company's disclosures under "Management's Discussion and Analysis of Financial Condition and Results of Operations."

Other Duties and Responsibilities

9. *Review of Earnings Releases.* The Committee should discuss the Company's earnings press releases, as well as financial information and earnings guidance provided to analysts and rating agencies, which discussions may be general discussions of the type of information to be disclosed or the type of presentation to be made.

10. *Risk Assessment and Risk Management.* The Committee should discuss with management the Company's policies with respect to risk assessment and risk management.

11. *Accounting and Auditing Principles.* The Committee must discuss with management and the independent auditors any issues regarding accounting and auditing principles and financial statement presentations, including any significant changes in the Company's selection or application of accounting principles, the effect of regulatory and accounting initiatives and any off-balance sheet structures, and any significant financial reporting issues and judgments made in connection with the preparation of the financial statements, including the effects of alternative generally accepted accounting principal methods on the financial statements.

12. *Internal Controls.* The Committee shall review and discuss with management and the independent auditors the effectiveness, design and implementation of the Company's internal controls over financial reporting. The Committee shall oversee the Company's internal controls over financial reporting, including any changes or remediation intended to address any significant deficiencies or material weaknesses in the design or operation of such internal controls. The Committee shall rely on management's and the independent auditor's representations and assessments of, and recommendations regarding, these internal controls. The Committee will also meet separately with the independent auditor, with and without management present, to discuss the results of their examinations. The Committee will review any required disclosures regarding the Company's internal controls over financial reporting.

13. *Hiring of Independent Auditor Employees.* The Committee shall set clear hiring policies for employees or former employees of the Company's independent auditor.

14. *Clawback Policy.* The Committee will administer and oversee the Company's compliance with the compensation recovery policy required by applicable SEC and Nasdaq rules.

15. *Complaint Procedures.* The Committee must establish procedures for the receipt, retention and treatment of complaints received by the Company regarding accounting, internal accounting controls or auditing matters, and for the confidential and anonymous submission by Company employees of concerns regarding questionable accounting or auditing matters.

16. *Reports to the Board of Directors.* The Committee must report regularly to the Board regarding the activities of the Committee.

17. *Cybersecurity.* The Committee shall review with management the Company's procedures and internal controls relating to cybersecurity and oversee management's implementation of the Company's cybersecurity risk management program.

18. *Related Party Transactions.* The Committee shall review and approve all related party transactions after reviewing each such transaction for potential conflicts of interests and other potential improprieties in accordance with the Related Person Transaction Policy and Procedures.

19. *Compliance Oversight.* The Committee shall periodically review the Company's compliance with applicable laws and regulations and review and oversee the Company's policies, procedures, and programs designed to promote and monitor legal and regulatory compliance, including without limitation the Company's Insider Trading Compliance Policy and its data privacy framework.

20. *Ethics and Compliance Hotline.* The Committee shall investigate any bona fide reports received through the Company's ethics and compliance hotline and report to the Board periodically with respect to any related investigations.

21. *Treasury Functions.* The Committee shall review and assess treasury functions, including cash management process.

22. *Financial Authority Policy.* The Committee shall periodically review and assess the Company's financial authority policy.

23. *Insurance Coverages.* The Committee shall review and approve material insurance coverages, including Directors & Officers insurance related matters.

24. *Committee Self-Evaluation.* The Committee shall, periodically and with input from the Nominating and Corporate Governance Committee of the Board (the "Nominating and Corporate Governance Committee") if deemed appropriate, perform an evaluation of the performance of the Committee, including a review of the Committee's compliance with this Charter, and provide any written material with respect to such evaluation to the Board or the Nominating and Corporate Governance Committee, as appropriate, including any recommendations for changes in procedures or policies governing the Committee.

25. *Review of this Charter.* The Committee shall, at least annually and with input from the Nominating and Corporate Governance Committee if deemed appropriate, review and reassess this Charter and submit any recommended changes to the Board for its consideration.

V. Delegation of Duties

In fulfilling its responsibilities, the Committee is entitled to delegate any or all of its responsibilities to a subcommittee of the Committee.