

APTINYX INC.

SCIENCE AND MEDICINE COMMITTEE CHARTER

ARTICLE I

GENERAL STATEMENT OF PURPOSE

The purpose of the Science and Medicine Committee (the “**Committee**”) of the Board of Directors (the “**Board**”) of Aptinyx Inc. (the “**Company**”) is to assist the Board in providing oversight of the Company’s strategy and investments relating to its research, development, and technology initiatives (“**R&D**”).

ARTICLE II

COMMITTEE COMPOSITION

The number of individuals serving on the Committee shall be fixed by the Board from time to time but shall consist of no fewer than three members. At least one member of the Committee shall, in the judgment of the Board, have scientific expertise relevant to the Company’s research and development activities and at least one member shall, in the judgment of the Board, have significant business transactions experience.

The members of the 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 the Director from the Board, for whatever reason, shall automatically constitute resignation or removal, as applicable, from this Committee. Vacancies occurring, for whatever reason, may be filled by the Board. The Board shall designate one member of the Committee to serve as Chairperson of the Committee.

ARTICLE III

MEETINGS OF THE COMMITTEE

The Committee shall meet as often as it determines is appropriate to carry out its responsibilities. The 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 Committee shall constitute a quorum for purposes of holding a meeting and the Committee may act by a vote of a majority of members present at such meeting. In lieu of a meeting, the Committee may act by unanimous written consent in accordance with the Company’s bylaws.

ARTICLE IV
RESPONSIBILITIES AND POWERS OF THE COMMITTEE

The Committee has the following duties and responsibilities:

- (a) Review, evaluate, and advise the Board and management, as appropriate, regarding scientific and medical matters around which management can benefit from the Committee's expertise (e.g., design parameters of the Company's key studies, evaluation and interpretation of critical data, evaluation of external technologies, prioritization of new indications for development).
- (b) Review and make recommendations to the Board on the Company's internal and external investments and technology platforms for development.
- (c) Review, evaluate, and advise the Board regarding the quality, direction, strategy and competitiveness of the Company's R&D programs and pipeline, including any new potential therapeutic area opportunities.
- (d) Identify and discuss new and emerging trends in pharmaceutical and biotechnological science, technology, and regulation.
- (e) Periodically review and assess the adequacy of this charter and submit any changes to the Board for approval.
- (f) Report to the Board on a regular basis.
- (g) Perform any other activities consistent with the Company's certificate of incorporation, bylaws, related governing documents and applicable law as the Board or the Committee deems appropriate.

ARTICLE V
GENERAL

The Committee may establish and delegate authority to one or more subcommittees consisting of one or more of its members, when the Committee deems it appropriate to do so in order to carry out its responsibilities.

The Committee shall make regular reports to the Board concerning areas of the Committee's responsibility.

In carrying out its responsibilities, the Committee shall be entitled to rely upon advice and information that it receives in its discussions and communications with management and such experts, advisors, and professionals with whom the Committee may consult. The Committee shall 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 to render advice to the Company attend a meeting of the Committee or meet with any members of or advisors to the Committee.

The Committee may perform such other functions as may be requested by the Board from time to time.

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Adopted December 2, 2021.