

BIOMEA FUSION, INC.

NOMINATING AND CORPORATE GOVERNANCE COMMITTEE CHARTER

This Nominating and Corporate Governance Committee Charter (this “Charter”) was adopted by the Board of Directors (the “Board”) of Biomea Fusion, Inc., a Delaware corporation (the “Company”), on April 9, 2021, effective upon the consummation of the Company’s initial public offering.

I. Purpose

The purpose of the Nominating and Corporate Governance Committee (the “Committee”) is to identify individuals qualified to become Board members consistent with criteria approved by the Board, to recommend that the Board select the director nominees for the next annual meeting of stockholders, to develop and recommend to the Board a set of Corporate Governance Guidelines and to oversee the evaluation of the Board and management.

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 two directors, each of whom must satisfy the independence requirements of the Nasdaq Stock Market LLC, subject to any available exception.

The members of the Committee 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.

III. Meetings, Procedures and Authority

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, 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 Secretary of the Company 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. In addition, the Committee has sole authority to retain and terminate any search firm to be used to identify director candidates, including sole authority to approve such search firm's fees and other retention terms. The Committee has the authority to retain any other advisors that the Committee believes to be desirable and appropriate and has the authority to approve related fees and retention terms.

IV. Duties and Responsibilities

1. *Director Nominees.* The Committee will identify individuals qualified to become members of the Board and ensure that the Board has the requisite expertise and that its membership consists of persons with sufficiently diverse and independent backgrounds. The Committee will also recommend to the Board the nominees for election to the Board at the next annual meeting of shareholders.

2. *Criteria for Selecting Directors.* The criteria to be used by the Committee in recommending directors and by the Board in nominating directors are as set forth in the Company's corporate governance guidelines.

3. *Board Committee Structure and Membership.* The Committee will annually review the Board committee structure and recommend to the Board for its approval directors to serve as members of each committee.

4. *Corporate Governance Guidelines.* The Committee will develop and recommend to the Board the Corporate Governance Guidelines. The Committee will, from time to time as it deems appropriate, review and reassess the adequacy of such corporate governance guidelines and recommend any proposed changes to the Board for approval.

5. *Board and Management Evaluations.* The Committee will oversee the annual self-evaluations of the Board and management.

6. *Succession Planning.* The Committee will work on a periodic basis to evaluate the Company's succession plans for each of the Company's executive officers (other than the Chief Executive Officer).

7. *Other Corporate Governance Matters.* The Committee may make recommendations to the Board regarding governance matters, including, but not limited to, the Company's certificate of incorporation, bylaws, and the charters of the Company's other committees.

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

9. *Committee Self-Evaluation.* The Committee shall, at least annually, perform an evaluation of the performance of the Committee and its members, including a review of the Committee's

compliance with this Charter, and provide any written material with respect to such evaluation to the Board, including any recommendations for changes in procedures or policies governing the Committee.

10. *Review of this Charter.* The Committee shall, at least annually, 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 has the authority to delegate any or all of its responsibilities to a subcommittee of the Committee.

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