

AEGLEA BIOTHERAPEUTICS, INC.

CORPORATE GOVERNANCE GUIDELINES

As adopted June 29, 2015

Updated May 6, 2021

Pursuant to the recommendations of its Nominating and Corporate Governance Committee (the “*Committee*”), the Board of Directors (the “*Board*”) of Aeglea BioTherapeutics, Inc. (the “*Company*”) has adopted the following Corporate Governance Guidelines (the “*Guidelines*”), to promote the effective functioning of the Board and its committees, to promote the interests of stockholders and to ensure a common set of expectations as to how the Board, its various committees, individual directors and management should perform their functions. These Guidelines are intended to serve as a flexible framework within which the Board may conduct its business, not as a set of binding legal obligations.

I. RESPONSIBILITIES OF THE BOARD OF DIRECTORS

It is the principal duty of the Board to exercise its powers in accordance with its fiduciary duties to the Company and in a manner it reasonably believes to be in the best interests of the Company and its stockholders. In doing so, our Board oversees our business affairs and works with our CEO and other senior management to determine our strategy and mission. The Board acts as the management team’s adviser and monitors management’s performance. The Board is ultimately responsible for oversight of the Company’s legal compliance program, which is designed to protect the Company against violations of law or Company policies and procedures, and to assess risks facing the Company and management’s approach to addressing such risks. The Board also reviews and, if appropriate, approves significant transactions and develops standards to be utilized by management in determining the types of transactions that should be submitted to the Board for review and approval or notification.

Each member of the Board is expected to spend the time and effort necessary to properly discharge such director’s responsibilities. Accordingly, a director is expected to regularly attend meetings of the Board and Board committees on which such director sits, and review prior to each meeting the material distributed in advance for such meeting. A director who is unable to attend a meeting (which it is understood will occur on occasion) is expected to notify the Chair of the Board (the “*Chair*”) or the chair of the appropriate committee in advance of such meeting.

II. INDEPENDENCE OF THE BOARD

The Board shall be comprised of a majority of directors who, in the business judgment of the Board, qualify as independent directors (“*Independent Directors*”) under the applicable rules, regulations, and listing requirements of The Nasdaq Stock Market or other applicable exchange, as amended from time to time, and these Guidelines. A director will be deemed “independent” only if the Board affirmatively determines that the director has no material relationship with us that affects the director’s independence from management (either directly or as a partner, stockholder or officer of an organization that has a relationship with us), or that would interfere with the director exercising independent judgment in carrying out the director’s responsibilities.

III. SIZE OF THE BOARD

The Board shall periodically review the size of the Board, which may be increased or decreased if determined to be appropriate by the Board.

The Board may wish to fill vacancies on the Board that occur between annual meetings of stockholders outside the usual election process held at our annual meeting of stockholders. In that case, the Board will follow the procedures set out in our Certificate of Incorporation and Bylaws to nominate candidates for election to the Board to fill the vacancy.

IV. MEETINGS OF THE BOARD

The Board's policy is to hold at least four regularly scheduled meetings of the Board each year. At least one regularly scheduled meeting of the Board shall be held each quarter, plus special meetings as required by the needs of the Company. The Chief Executive Officer or the Chair shall propose an agenda for each meeting. Management will provide materials in a reasonable period of time in advance of a meeting, and the members of the Board are expected to familiarize themselves with them.

V. LEAD INDEPENDENT DIRECTOR; SELECTION OF THE CHAIR OF THE BOARD

The Board does not require the separation of the offices of the Chair and the Chief Executive Officer. The Board, in consultation with the Committee, shall be free to choose its Chair in any way that it deems best for the Company at any given point in time.

When the positions of Chair and Chief Executive Officer are held by the same person, the Board, by a majority vote of Independent Directors, may designate a Lead Independent Director. In cases in which the Chair and Chief Executive Officer are the same person, the Chair, with the Lead Independent Director, may schedule and set the agenda for meetings of the Board, and the Chair or, if the Chair is not present, the Lead Independent Director, may chair such meetings. Specifically, the Lead Independent Director will be responsible for:

Board Meetings and Executive Sessions

- Calling separate meetings of the Independent Directors; and
- Facilitating discussion and open dialogue among the Independent Directors during meetings of the Board, executive sessions and outside of meetings of the Board.

Liaison with the Chair and Management

- Serving as the principal liaison between the Chair and the Independent Directors;
- Communicating to the Chair and management, as appropriate, any decisions reached, suggestions, views or concerns expressed by the Independent Directors in executive sessions or outside of meetings of the Board; and
- Providing the Chair with feedback and counsel concerning the Chair's interactions with the Board.

Oversight of Agendas and Information Provided to the Board; Retention of Advisors

- Coordinating with the Chair to set the agenda for meetings of the Board, taking into account input from other Independent Directors;
- Providing the Chair and management with feedback on meeting schedules and the appropriateness, including the quality and quantity, and timeliness of information provided to the Board; and
- Recommending the retention of advisors and consultants who report directly to the Board when appropriate.

Conflicts

- Providing leadership to the Board if circumstances arise in which the role of the Chair may be, or may be perceived to be, in conflict.

Stockholder Communications

- If appropriate, and in coordination with management, being available for consultation and direct communication with major stockholders.

The Lead Independent Director shall also perform such other functions and responsibilities as requested by the Board from time to time.

VI. SELECTION OF DIRECTORS

The Committee shall be responsible for nominating members for election to the Board and for filling vacancies on the Board that may occur between annual meetings of stockholders. The Committee is responsible for identifying, considering, recruiting and recommending candidates to the Board for Board membership. When formulating its Board membership recommendations, the Committee may retain outside consultants to assist in identifying candidates and shall also consider advice and recommendations from stockholders, management and others as it deems appropriate.

VII. BOARD MEMBERSHIP CRITERIA

The Board's policy is to encourage selection of directors who will contribute to the Company's overall corporate goals, with the goal of developing an experienced, diverse and highly qualified Board. Nominees for director will be selected on the basis of, among other things, independence, business experience, integrity, diversity (including with respect to race, ethnicity, gender and sexuality), geography, experience in life sciences and biotechnology fields, knowledge about the Company's business or industry, willingness and availability to devote adequate time and effort to Board responsibilities in the context of the existing composition, and personal skills in technology, finance, marketing, financial reporting and other areas that are expected to contribute to an effective Board. Exceptional candidates who do not meet all of these criteria may still be considered.

The Committee will be responsible for developing and recommending to the Board for determination: (a) any specific minimum qualifications that the Committee believes must be met by a Committee recommended nominee for a position on the Board, (b) any specific qualities or skills that the Committee believes are necessary for one or more of the Board members to possess,

and (c) the desired qualifications, expertise and characteristics of Board members, with the goal of developing an experienced and highly qualified Board. In evaluating potential candidates for the Board, the Committee considers these factors in the light of the specific needs of the Board at that time.

The Board shall not nominate any person for election or appoint any person to the Board without the prior favorable recommendation of the Committee.

VIII. OTHER PUBLIC COMPANY DIRECTORSHIPS

The Committee, in making its recommendations, shall consider the number of other public company boards and other boards (or comparable governing bodies) on which a prospective nominee is a member. Directors are also expected to limit the number of other boards, including non-profits, on which they serve in order to devote adequate time and effort to their Board responsibilities. Incumbent directors should advise the chair of the Committee in advance of accepting an invitation to serve on another public or private (not including non-profits) company board.

IX. DIRECTORS WHO CHANGE THEIR PRESENT JOB RESPONSIBILITY

The Board does not believe directors who retire or change their principal occupation or business association should necessarily leave the Board; however, there should be an opportunity for the Board, through the Committee, to review the continued appropriateness of Board membership under these circumstances. In certain cases, the Committee may recommend to the Board that the director submit his or her resignation, at which time the Board (without the director in question) will consider such recommendation and decide whether to seek the director's resignation. If so, the director is expected to submit his or her resignation to the full Board.

X. CONFLICTS OF INTEREST, CONFIDENTIALITY AND COMMUNICATIONS

The Board expects its directors to act ethically at all times and acknowledge their adherence to the policies comprising the Company's Code of Conduct and Ethics. If a conflict of interest arises for a director, that person will promptly inform the chair of the Committee, who, together with the Chair, will determine if the matter should be resolved by the Committee or if it needs to be brought to the attention of the full Board. If it is determined that a conflict of interest would materially impact a director's ability to fulfill his or her duties as director and the conflict cannot be adequately addressed in another manner, this will be communicated back to the director who will, if requested, resign from the Board.

Consistent with their fiduciary duties, directors shall maintain the confidentiality of any non-public information received in their capacities as directors, including Board and Board committee communications, discussions and materials. In addition, directors shall not speak with the media or consent to an interview regarding the Company without receiving prior approval from the Company's communications team.

XI. RETIREMENT AGE

The Board does not believe that a fixed retirement age for directors is necessary or appropriate. However, the Committee and Board will periodically review director term limits in connection with the Board's procedures for selecting and nominating directors to ensure the beneficial presence of diverse viewpoints and ideas.

XII. DIRECTOR TENURE

The Board is classified into three classes, with the members of each class being elected once every three years. There are no limits on the number of three-year terms that may be served by a director. However, in connection with evaluating recommendations for nomination for re-election, the Committee shall consider director tenure to ensure the beneficial presence of diverse viewpoints and ideas.

XIII. NUMBER AND COMPOSITION OF BOARD COMMITTEES

The Committee periodically will consider and make recommendations to the Board regarding the size, structure and composition of Board committees. The purpose and responsibilities for each of the Board's committees shall be outlined in committee charters adopted by the Board. Each committee will review its charter at least annually and recommend to the Board any changes the committee deems necessary. The Board may, from time to time, form new committees, re-allocate responsibilities of one committee to another committee or disband a current committee. In addition, the Board may form ad hoc committees from time to time, and determine the composition and areas of competence of such committees.

Each of the Audit, Compensation and Nominating and Corporate Governance Committees shall be composed entirely of Independent Directors satisfying applicable legal, regulatory and stock exchange requirements necessary to serve on any such committee. All other standing committees formed by the Board shall be chaired by Independent Directors, except where the Board, pursuant to the recommendation of the Committee, determines otherwise.

XIV. EXECUTIVE SESSIONS

The Board's policy is to reserve time either before or after our regularly scheduled Board meetings (and in any event, no less than two times per year) for our Independent Directors to meet in executive session without our management. Any Independent Director can request that an additional executive session be scheduled. Executive sessions will be led by: (i) the Chair (if a non-management director), (ii) the Lead Independent Director (if any), or (iii) another independent director selected by a majority of the Independent Directors. The Company's independent auditors, finance staff and other employees may be invited to attend these meetings.

XV. DIRECTOR COMPENSATION

Non-employee directors may receive reasonable compensation for their services on the Board and its committees, consisting of cash and/or equity, as well as reimbursement of reasonable expenses incurred in connection with their service. Employee directors may not be paid additional compensation for their services as directors. The Compensation Committee shall recommend to the

Board the form and amount of cash-based and/or equity-based compensation to be paid or awarded to non-employee directors for service on the Board and its committees. The Compensation Committee may base its recommendations on board compensation practices of other public companies, contributions to Board functions, service as committee chairs and other appropriate factors. The Compensation Committee shall also periodically review the form and amount of director compensation that the Board will pay or award to non-employee directors for service on the Board and its committees. If appropriate, the Compensation Committee will recommend to the Board changes in director compensation.

XVI. DIRECTOR AND SENIOR EXECUTIVE STOCK OWNERSHIP

The Compensation Committee will periodically assess the appropriateness of stock ownership guidelines for directors and senior executives, including whether and to what extent directors and senior executives should be restricted from selling stock acquired through equity compensation.

XVII. BOARD ACCESS TO MANAGEMENT, EMPLOYEES AND INTERACTION WITH OUTSIDE INTERESTED PARTIES

Directors are encouraged to speak directly to any member of management regarding any questions or concerns the directors may have. We also give the Board access to our employees as the Board considers necessary or advisable in order to help it perform its duties. Additionally, directors may, from time to time at the request of management, meet or otherwise communicate with various constituencies and stakeholders.

XVIII. ATTENDANCE AT ANNUAL MEETING OF STOCKHOLDERS

Directors are invited and encouraged to attend the Company's annual stockholder meeting.

XIX. DIRECTOR ORIENTATION AND CONTINUING EDUCATION

The Company shall provide for an orientation process for new directors that may include background material, meetings with senior management and visits to Company facilities. Directors may be expected, based on the recommendations of the Committee, to participate in continuing educational programs in order to maintain the necessary level of expertise to perform their responsibilities as directors.

XX. FORMAL EVALUATION OF OFFICERS

The formal evaluation of the performance of the Chief Executive Officer should be made in the context of the Chief Executive Officer's annual compensation review by the Compensation Committee of the Board, with appropriate input from other Board members, and should be communicated to the Chief Executive Officer by the chair of the Compensation Committee. In consultation with the Chief Executive Officer, the Compensation Committee will also review the performance of each other officer in connection with the determination of the salary and bonus for those officers. The Compensation Committee will provide a report to the Board on these performance evaluations.

XXI. SUCCESSION PLANNING

The Board, working with the Committee, is responsible for Chief Executive Officer succession planning, and only the Board may appoint a Chief Executive Officer. As part of this process, the Committee, in consultation with the Chief Executive Officer, should assess management needs and abilities of potential successors. The Board may also monitor management's succession plans for other key executives and leadership development programs.

XXII. AUTHORITY TO RETAIN ADVISERS

The Board and each of its committees have the authority, at the Company's expense, to retain and terminate independent advisers as the Board and any such committee deems necessary.

XXIII. EVALUATION OF BOARD PERFORMANCE

The Board and each of its committees shall conduct a self-evaluation annually. Board committees shall assess their performance relative to their charter and best practices. The Committee will oversee an annual assessment of the Board and each committee of the Board. The Committee will utilize the results of this self-evaluation process to assess the effectiveness of the Board and its committees, determine the desired qualifications, expertise and characteristics of Board nominees, and make recommendation to the Board regarding assigning directors to various Board committees. The Board will discuss the evaluation results to determine what action, if any, would improve Board and committee performance, and whether any changes to these Guidelines would be appropriate.

XXIV. STOCKHOLDER COMMUNICATIONS WITH OUR BOARD

We value our relationships and seek meaningful collaboration and engagement with our stockholders. If you are a stockholder, you are invited to contact our Board by emailing our Investor Relationship team at investors@aelea.com

Each communication should specify the applicable addressee or addressees to be contacted, the general topic of the communication, and information about your share ownership. The Company will initially receive and process communications before forwarding them to the addressee. The Company generally will not forward to the directors a communication that it determines to be primarily commercial in nature or related to an improper or irrelevant topic, or that requests general information about the Company.

XXV. AMENDMENTS

The Committee will periodically review and recommend changes to these Guidelines for the Board to consider and approve, if appropriate. The Board may amend or grant waivers of these Guidelines, provided that any such modification or waiver may not be a violation of any applicable law, rule or regulation, and, provided further, that any such modification or waiver is appropriately disclosed, if required.