

MATINAS BIOPHARMA HOLDINGS, INC.
NOMINATING AND CORPORATE GOVERNANCE
COMMITTEE CHARTER

February 2014

I. Purpose

The purpose of the Nominating and Corporate Governance Committee (the “Committee”) of Matinas BioPharma Holdings, Inc. (the “Company”) is to exercise general oversight with respect to the governance of the Board by (i) identifying, reviewing the qualifications of, and recommending to the Board, proposed nominees for election to the Board, consistent with criteria approved by the Board, (ii) selecting, or recommending that the Board select, the director nominees for the next annual meeting of stockholders, and (iii) overseeing the annual evaluation of the Board and management.

The Committee serves a board-level oversight role in which it provides advice, counsel and direction to management on the basis of the information it receives, discussions with management and the experience of the Committee members.

II. Composition

The Committee shall be composed of three (3) or more non-employee directors, as determined by the Board. Upon listing of the Company’s securities on a national securities exchange, each member shall satisfy the independence standards set forth in the NASDAQ listing rules or the applicable listing rules of the principal exchange or quotation service on which the Company’s securities are then listed (the “Principal Exchange”).

III. Responsibilities

Within the scope of the role of the Committee described above, the Committee is charged by the Board with the responsibility to:

- Make recommendations to the full Board regarding the size of the Board, the composition of the Board, the process for filling vacancies on the Board and the tenure of Board members.
- Make recommendations to the Board regarding the criteria for Board and committee membership, which shall include a description of any specific, minimum qualifications that the Committee believes must be met by a director nominee, and a description of any specific qualities or skills that the Committee believes are necessary for one or more of the Company’s directors to possess, and periodically reassess the adequacy of such criteria and submit any proposed changes to the Board for approval.
- Establish procedures to be followed by stockholders in submitting recommendations for director candidates.

- Establish a process for identifying and evaluating nominees for the Board, including nominees recommended by other board members, executive officers or stockholders.
- Upon identifying individuals qualified to become members of the Board, consistent with the minimum qualifications and other criteria approved by the Board from time to time, recommend that the Board select the director nominees for election at each annual meeting of stockholders; provided that, if the Company is legally required by contract or otherwise to provide third parties with the ability to nominate individuals for election to the Board, the selection and nomination of such director nominees shall be governed by such contract or other arrangement and shall not be the responsibility of the Committee.
- Review any stockholder proposals and proposed responses.
- Review and discuss with management the disclosure regarding the operations of the Committee and director independence, and to recommend that this disclosure be, included in the Company's proxy statement or annual report on Form 10-K, as applicable.
- Review periodically the adequacy of this Charter and recommend any proposed changes to the Board for approval.
- Annually conduct and present to the Board a performance evaluation of the Committee.
- The Committee shall oversee the annual evaluation of the Board and its committees.
- Perform such other duties and responsibilities as may be assigned to the Committee by the Board.

IV. Authority

By adopting this Charter, the Board delegates to the Committee full authority to:

- Select, retain and obtain the advice of a director search firm as necessary to assist with the execution of its duties and responsibilities as set forth in this Charter. The Committee shall set the compensation, and oversee the work, of the director search firm. The Committee shall have the authority, in its sole discretion, to retain and obtain the advice and assistance of outside counsel and such other advisors as it deems necessary to fulfill its duties and responsibilities under this Charter. The Committee shall set the compensation, and oversee the work, of its outside counsel and other advisors. The Committee shall receive appropriate funding from the Company, as determined by the Committee in its capacity as a committee of the Board, for the payment of compensation to its compensation consultants, outside counsel and any other advisors.
- Delegate such of its authority and responsibilities as the Committee deems proper to subcommittees thereof, subject to all applicable laws and regulations (including without limitation the Principal Exchange listing standards).
- Appoint a chair of the Committee, unless a chair is designated by the Board.

V. Committee Structure and Operations

- The Committee shall meet in person or telephonically at such times and places as shall be determined by the Committee chairperson. The chairperson, with input from the other members of the Committee, shall set the agendas for Committee meetings. 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.
- The Committee shall maintain minutes containing a summary of the actions taken at each Committee meeting and shall make regular reports to the Board with respect to actions taken by the Committee and areas of the Committee's responsibilities.

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