CHIEF MEDICAL OFFICER
POSITION DESCRIPTION

Job Title: Chief Medical Officer
Reports to: Chief Executive Officer

Company Summary:
Aeglea BioTherapeutics, Inc. is an Austin, TX based biotechnology company committed to developing engineered human enzymes for the treatment of genetic rare diseases and cancers associated with abnormal amino acid metabolism. The company’s engineered human enzymes are designed to degrade specific amino acids in the blood in order to reduce toxic levels of amino acids in genetic rare diseases or to starve tumors dependent on amino acids by reducing blood levels below the normal range. Aeglea’s clinical program for its lead product candidate AEB1102 includes three clinical trials, a Phase 1/2 studying AEB1102 as enzyme replacement therapy for the treatment of patients with Arginase I deficiency, and two Phase 1 trials in patients with solid tumors or hematological malignancies. The company is building a pipeline of additional product candidates targeting key amino acids, including AEB4104, which degrades homocystine, a target for a genetic rare disease, as well as two potential treatments for cancer, AEB3103, which degrades cysteine/cystine, and AEB2109, which degrades methionine.

Position Summary: The Chief Medical Officer will report directly to the Chief Executive Officer. The primary role of the CMO will be to provide leadership and direction for Aeglea’s pipeline of clinical development programs in both genetic rare disease and cancer. The CMO will be responsible for the strategy, direction and execution of the company’s clinical development plans. The CMO will be a key member of the senior management team as a member of the company’s Executive Committee which determines and oversees research and drug development at Aeglea and sets the overall strategic direction of the company. This is a unique opportunity to be a major contributor to the success of a well-positioned, well-financed growth stage biotechnology company.

Essential Duties and Responsibilities: To perform this job successfully, an individual must be able to perform the following:

- Direct the development of clinical strategies and plans to integrate Aeglea BioTherapeutics Inc. compounds into the standard practice of oncology/hematology and (genetic rare diseases
- Orchestrate and manage clinical aspects of regulatory strategies and interactions with Health Authorities
- Oversee the analysis and interpretation of clinical trial data and the reporting of clinical trial results
• Lead interactions with academic thought leaders, investigators, cooperative groups, and other clinical stakeholders
• Provide clinical support and work with other members of the management team to develop and communicate the overall corporate strategy
• Represent the Company and its programs to external audiences, including the investment, medical and regulatory communities, as well as pharmaceutical or biotechnology industry collaborators/partners
• In addition to leading and supervising the Clinical Research Department the CMO will have direct line responsibility for the Clinical Operations, Patient Advocacy, Medical Affairs, and Biometrics Departments

Qualifications:

Education/Experience: The ideal candidate will offer:
• MD with Board Certification in hematology/oncology or Pediatrics with Oncology training preferred
• 15 years minimum experience in clinical practice treating patients and pharmaceutical and/or biotechnology industry experience as a sponsor working on investigational new drugs.
• Multiple years of management experience leading a clinical group including clinical/medical affairs and clinical operations
• A proven success record in Phase I-IV clinical research studies and trial design as well as the successful submission of IND’s and marketing approval-directed filings (BLA’s, NDA’s, and MAA’s)

Knowledge, Skills and Abilities:
• Knowledge of relevant FDA regulations and guidelines as well as those of the EU and other health authorities; experience in interactions with FDA personnel is essential; experience in interactions with other health authorities a plus
• Experience with, or strong knowledge of Oncology drug development
• Experience or knowledge of Orphan or genetic rare disease drug development a plus
• Experience in translational medicine, clinical pharmacology and early stage development is desirable
• Excellent knowledge of the competitive environment for drugs in the Hematology/Oncology marketplace and in research and development pipelines
• Must have a thorough knowledge of clinical research concepts, practices, and GCP and ICH Guidelines.
• The successful candidate will read, write and speak fluent English, possess excellent communication skills and will be capable of articulating the Company’s clinical and regulatory strategies and progress to a wide audience including the CEO, the Board of Directors, Company employees, and the investor community.
• Must have excellent leadership and interpersonal skills; should have proven skills as an effective team player who can engender credibility and confidence within and outside the company; must have outstanding executive presence.
• Must be science- and data-driven
• For best fit, the candidate must have the ability and strong desire to “make things happen”.

Chief Medical Officer
Must have a results-oriented work ethic and a positive, can-do attitude. Effective leadership, people management, communication skills and a team builder management style are essential; must be willing and able to be “hands on”.

- Must have the highest personal values and ethical standards.

**Work Environment:**
This is a high growth, fast paced small organization. The ability to be productive and successful in an intense work environment is critical. Willingness and ability to travel domestically and internationally is required, it is anticipated that this will be 30% of work time.

**Physical Demands:** The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

The above job description is not intended to be an all-inclusive list of duties and standards of the position. Incumbents will follow any other instructions, and perform any other related duties, as assigned by their supervisor.