

Shu-Tung and Alice Li Foundation, Laboratory for Tissue Engineering Research

Description: Director of Research and Development

Reporting to: President

Location: Bergen County, NJ

Position Type: Full Time

Position Summary:

Invention-Translation-Regeneration

The Shu-Tung and Alice Li Foundation is currently seeking a highly motivated individual to fill the position of Director of Research and Development at the Foundation's Laboratory for Tissue Engineering Research. The Foundation's research laboratory is dedicated to the research and translational development of tissue equivalent products to advance the regenerative treatment of difficult to heal tissues and organs. The successful candidate will become an integral member of the Research and Development team, mentoring a team of scientists to work independently in the design and execution of research studies, as well as with the analysis, critical interpretation, and documentation of the results.

Key Responsibilities:

- Provide senior level leadership for R&D including evaluation of novel technologies, demonstration of product feasibility, and development of intellectual property
- Set objectives to guide the operation and timely accomplishment of organizational goals
- Review current literature, contribute novel ideas, anticipate challenges, and provide solutions for the achievement of objectives
- Develop product roadmaps for future applications and incorporation of new technologies into products
- Lead innovative efforts within the laboratory setting to achieve defined goals and support clinical development
- Identify, research, and establish partnerships with scientific collaborators for grants and funding in adherence to the organization's mission
- Ensure senior level leadership for the planning and execution of product development efforts
- Establish metrics and tracking mechanisms to trend processes in terms of performance with clear traceability to source records
- Compose grant applications, author scientific manuscripts, and publish in high-impact peer-reviewed journals
- Guide scientists to independently provide input into experimental designs, implement experiments, and perform all data analysis and interpretation
- Routinely review scientific progress reports and presentations, both oral and written, from team scientists

Qualifications:

- Ph.D. in related scientific discipline
- Minimum 10 years' experience in biomaterials R&D, with a consistent track record of leading a team
- Leadership experience in both academia and industry, with an emphasis on academic research
- Proven ability to think critically and identify issues early; proactive in problem-solving and proposing innovative solutions
- Effective presentation and scientific writing skills
- Track record of scientific innovation and publication as primary author

- Strong managerial skills, ability to delegate work efficiently and resolve issues promptly
- Demonstrated ability to effectively engage with a broad range of colleagues
- Ability to prioritize and manage multiple projects
- Self-motivated, creative, and adaptable
- Comfortable working in a start-up environment
- Experience designing and handling logistics for laboratory operations is a plus

Technical Skills:

- Expertise in tissue engineering R&D, specifically musculoskeletal tissue repair and regeneration and peripheral nerve repair and regeneration
- In-depth understanding of Collagen and its function and properties preferred
- Knowledge of translational science

The Shu-Tung and Alice Li Foundation is a non-profit 501(c)(3) organization committed to developing novel approaches for the repair of difficult to heal tissues, and ultimately translating them to clinical practice to advance regenerative medicine for the treatment of injured and damaged tissues and organs. Research grants are offered to both young researchers with demonstrated independent research potential and established individuals with recognized accomplishments in the above areas.

The Shu-Tung and Alice Li Foundation strives to build a creative environment which promotes innovation while maintaining a solid allegiance to Basic Science.

The Shu-Tung and Alice Li Foundation offers a competitive salary and benefits package which includes medical, dental, and 401(k).

Equal Employment Opportunity Statement

The Shu-Tung and Alice Li Foundation provides equal opportunities to all employees and applicants for employment without regard to race, religion, color, age, sex, national origin, sexual orientation, gender identity, genetic disposition, neurodiversity, disability, veteran status, or any other protected category under federal, state and local law.