Description: Research Scientist, Research and Development
Reporting to: Principal Scientist
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 Research Scientist 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, working both independently and supporting colleagues in the design and execution of research studies, as well as with the analysis, critical interpretation, and documentation of the results. This individual will play an important role in the expansion of the laboratory into a new facility in the Summer of 2021.

Key Responsibilities:
- Lead innovative efforts within the laboratory setting to achieve defined goals and support clinical development
- Independently provide input into experimental designs, implement experiments, and perform all data analysis and interpretation
- Evaluate novel technologies, demonstrate product feasibility, and develop intellectual property
- Conduct feasibility studies and fabricate prototypes in accordance with design and development plans
- Prepare and maintain Design History File including concept, feasibility, and development phases
- Review current literature, contribute novel ideas, anticipate challenges, and provide solutions for the achievement of objectives
- Assist in developing product roadmaps for future applications and incorporation of new technologies into products
- Adhere to metrics and tracking mechanisms to trend processes in terms of performance with clear traceability to source records
- Collaborate with consultants, vendors, and subcontractors to ensure adherence to protocols
- Write grant applications and scientific manuscripts
- Publish in high-impact peer-reviewed journals
- Write and revise research and development procedures
- Maintain a safe and clean work environment in accordance with policies and OSHA safe laboratory practices
- Proactively adopt best practices in laboratory techniques and data analysis methods
- Conduct equipment maintenance and calibration program in accordance with established schedules
- Maintain meticulous laboratory records, electronic files, and laboratory notebooks to support experimental studies and intellectual property development
- Provide written and oral scientific progress reports and presentations to Director and President

Qualifications:

- Bachelor's Degree with a minimum of 10 years' experience, Master's Degree with a minimum of 8 years' experience or a Ph.D. with a minimum of 3 years' experience in related scientific discipline
- Experience in both academia and industry, or direct exposure to industry R&D processes
- Track record of scientific innovation and publication
- Strong presentation and scientific writing skills with experience authoring technical documents
- Proven ability to think critically; proactive in problem-solving
- Competence in interpreting and summarizing scientific data in an accurate, critical, and concise manner
- Ability to communicate effectively with colleagues at all levels; excellent written and oral communication skills
- Demonstrated ability to work both independently and in a team setting
- Ability to prioritize multiple projects and manage timelines
- Self-motivated, creative, and adaptable
- Comfortable working in a start-up environment
- Experience designing and handling logistics for laboratory operations is highly desirable

Technical Skills:

- Understanding of Collagen as a biomaterial a plus
- Knowledge of translational science preferred
- Prior work with standard scientific equipment preferred; SDS-page, autoclave, spectrophotometer, q-PCR, Differential Scanning Calorimetry (DSC) instrument, microplate reader
- Experience in assay development, ELISA, Scanning Electron Microscopy (SEM) analysis, cell culture studies, mechanical testing

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 and dental.

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.