Sisu Global Health R&D Posting

Sisu Global Health is looking for a product development engineer or researcher with technical and quality systems experience to aide in the development of products for emerging markets. This is a 3-month engagement with the potential for full-time. Sisu is seeking a biomedical engineer, mechanical engineer, mechanically-minded electrical engineer, or a biology/biomechanics researcher with mechanical inclinations.

Company
Sisu Global Health is creating medical devices for emerging markets, more specifically Sub-Saharan Africa. Our goal is to design medical devices with input from clinicians who have a greater understanding of their context than foreign organizations. These devices are designed to in-country need and international specification, are cost-conscious, and able to withstand the most challenging environments.

Position
Sisu Global Health is seeking an organized individual interested in the medical device space and blood access issues. This position entails pre-clinical blood testing, product development, liaising with manufacturers, and preparing for a clinical pilot (first in-human study) in Zimbabwe.

If the position converts to full-time, it would entail identifying the needs and goals for medical devices, from function to aesthetics, coordinating market researchers and materials suppliers to evaluate market needs, existing competition and potential costs. The position will require using computer-aided design software and fabricate models that can be clinically tested. He/she understand how to conduct experiments to analyze different materials, manufacturing processes, design tolerances and other factors in the developmental process. This individual would work in tandem with the Chief Technology Officer.

Key Responsibilities

Develop product models
- Validate/deny design requirements with prototypes of device
- Work with clinical experts to perform pre-clinical testing of prototypes
- Communicate effectively with suppliers such as manufacturers

Quality system construction and maintenance
- Build a system to categorize and create documentation for quality system
- Determine product materials documentation and training materials for end users

Collaborate to develop a pipeline of products from market demand
- Evaluate other medical device designed to target emerging markets specifically Sub-Saharan Africa and beyond
- Determine new potential sources for our products
- Use interviews, online research or other methods to determine feasibility of potential products

Other roles as needed
Sisu is a small start-up. Our job descriptions are the minimum expected from each employee. The engineer will be relied upon for many activities outside of those mentioned. Some of those could be:
- Reviewing business plans, applications or other documents that help our overall mission with a technology lens
Job Posting

Sisu Global Health

- Informing pricing structure for financial projections
- Collaborate with marketing team on end user feedback and needs scope

Qualifications

- Experience in engineering in the healthcare sector; some field experience in medical devices preferred
- Experience in product development and quality processes.
- Team player who can both give/receive constructive feedback and believes in open communication
- Able to negotiate compensation
- Background in global health is preferred.
- English fluency required, French/African language competency/fluency a plus
- Ability to thrive in unstructured, fast-paced environment. The successful candidate will be motivated by the need to think out-of-the box without significant direction
- Outspoken in a small group, sense of humor and ability to adapt on the fly are required

If interested, please submit your resume and “Why You Want to Do this Crazy Job” letter (aka cover letter) to info@sisuglobalhealth.com