SonoMotion

Innovations in Noninvasive Kidney Stone Treatment

R&D Test Engineer

Research & Development
San Mateo, California

Description
SonoMotion is a venture-backed medical device company developing game-changing ultrasound solutions for the non-invasive treatment of kidney stones. The company comprises of a multidisciplinary team of seasoned, highly motivated professionals committed to fundamentally changing how kidney stones are treated.

Position Overview
The R&D Test Engineer applies engineering best practices to the development, testing and commercialization of therapeutic ultrasound-based medical devices. This engineering position requires a high performing individual who will characterize and optimize therapeutic ultrasound probes. Opportunity to expand role and position based on individual aptitude, experience and company needs.

Roles & Responsibilities:
- Play an intricate role in a multidisciplinary team developing and optimizing novel ultrasound based medical devices
- Design, develop, evaluate, automate and optimize testing and characterization methods for therapeutic ultrasound probes
- Develop novel bench experiments and test fixtures for probe performance and reliability testing
- Execute manufacturing tests and document test reports of clinical devices and new product development prototypes
- Troubleshoot and perform root cause analyses of system and component defects
- Author Verification Test Protocols and Reports.
- Contribute to Observation Management (issue tracking) and Risk Management activities.
- Coordinate system integration activities.
- Perform all activities following FDA 21 CFR 820 and ISO13485 quality system regulations.
- Support type testing of the device to IEC60601-1 and -1-2 safety standards.
- Support Manufacturing QA documentation and record keeping, not limited to MPI, DHR, NCMR, Receiving & Inspection records as assigned.
- Technical liaison with contract manufacturing partners for therapy probe testing activities.
- Maintain laboratory equipment, notebook and current training record.

Required Skills:
- Bachelor's or Master's Degree in relevant engineering or scientific discipline, such as mechanical engineering, biomedical engineering, physics, or applied mathematics.
- Minimum of 3 years of ultrasound product development or relevant academic R&D experience.
- Mathematical and analytical competency with MATLAB, COMSOL or similar is highly desirable.
- An experienced individual contributor who can work independently and collaborate effectively in a team
- A strong understanding of acoustics (ultrasound physics) and analysis is desired.
- Working knowledge of FDA 21CFR820, ISO13485, ISO14971, and safety agency regulations desired.
- Ability to thrive in a dynamic and fast-moving start-up environment

Interested candidates are encouraged to apply by sending a resume and/or a cover letter to careers@sonomotion.com. SonoMotion is an equal opportunity employer and supports diversity in the workplace.