Sr. Staff MRI Engineer   Apply online https://www.jobs.abbott/us/en/job/30954293/Sr-Staff-MRI-Engineer
Or Contact Wanzhan Liu at Wanzhan.liu@abbott.com

Experience & Characteristics for Success

✓ Accomplished experience leading and executing the development of advanced electro-mechanical devices from concept to commercialization.
✓ Deep understanding of interactions between MRI, implantable devices, and human body
✓ Demonstrated highly effective communication skills with internal stakeholders, physicians, and regulatory bodies
✓ Demonstrated thought leader in the field of MRI safety through published journal articles and/or conference presentations
✓ Knowledge of various clinical MRI sequences, indicated anatomies, and imaging optimization for implantable devices

Essential Responsibilities

• Lead the development of new technologies and test methods for MRI conditionally safe implantable devices
• Represent Abbott in MRI standards working groups
• Represent MRI team to interact with global regulatory bodies
• Establish and manage external strategic partnerships
• Maintain external visibility through conference presentations and peer-reviewed journal publications
• Mentor and train other engineers

Required Qualifications

• Advanced Degree (Ph.D. desired) in Physics, Electrical Engineering, Biomedical Engineering or related field.
• Minimum of 12+ years’ experience in medical device development, specifically related to MRI interactions.
• Experience leading small project teams and mentoring junior engineers.
• Experience in high frequency numerical electromagnetic simulations (HFSS, Sim4Life, etc.)
• Experience in numerical thermal modelling techniques
• Excellent knowledge of ISO/TS 10974 Joint Working Group
• Working knowledge of IEC 60601-2-33
• Strong fundamentals in MR imaging physics, electromagnetic theory, and/ or MR hardware sub-systems.
• Hands-on experience in playing a major role in multiple medical device regulatory submissions or Experience in writing and executing grant proposals.
• Must be willing to relocate to Plano, TX