Abbott is a global healthcare leader that helps people live more fully at all stages of life. Our portfolio of life-changing technologies spans the spectrum of healthcare, with leading businesses and products in diagnostics, medical devices, nutritionals and branded generic medicines. Our 113,000 colleagues serve people in more than 160 countries.

JOB DESCRIPTION:

A healthy heart is essential to good health. That's why we're committed to advancing treatments for people with cardiovascular disease. As a global leader in Cardiac Rhythm Technologies, our breakthrough medical technologies help restore people's health so they can get back to living their best lives, faster. We focus on innovative technologies that can improve the way doctors treat people with heart arrhythmias, or irregular heartbeats.

Our location in Sylmar, CA currently has an opportunity for an Electrical Engineer II. We are seeking a high-caliber Electrical Engineer II. This role develops and executes tests to assess MRI safety of cardiac electronic implantable products. We are looking for a detail-oriented engineer to apply engineering and scientific principles to the evaluation and solutions for technical problems.

**No previous experience in MRI is required for the role, but you should have a desire to learn about MRI.**

WHAT YOU’LL DO

- Develops, designs, and evaluates active implantable medical devices and/or test methods for MRI safety.
- Operate lab equipment such as temperature probes, E-field probe, SAR probe, H-field probe, oscilloscopes, network analyzers, RF amplifiers, ohm meters, current probes.
- Directs support personnel and coordinates project activities.
- Writes Engineering Test Reports (ETR), validation protocols and reports, memos, Engineering Change Papers, creates travelers
- Perform mathematical calculations such as sample size determination, standard deviations, linear regressions/fitting techniques, and probabilities.
- Maintains detailed documentation throughout all phases of research and development.
- Resolves and/or facilitates the resolution of complex technical problems including identifying root causes to prevent re-occurrence.
- Validates equipment and processes as required.
- Evaluates measurement and model uncertainty to develop uncertainty budgets.
- Establishes and cultivates an extensive cross-functional network of support to facilitate completion of assignments.
• Plans and organizes non-routine tasks w/approval. Initiates or maintains work schedule. Establishes priorities of work assignments.
• Exercises sound judgment in selecting innovative, practical methods to achieve problem resolution.

EDUCATION AND EXPERIENCE YOU’LL BRING

Required
• Bachelors Degree in electrical engineering or related engineering field or an equivalent combination of education and work experience.
• 2-5 years’ experience in related work experience.
• Strong ability to work effectively within a cross-functional product development team.
• Strong written communication skills with ability to work within a quality management system utilizing design controls.
• Ability to solve a variety of complex problems of diverse scope.
• Ability to understand basic circuit behavior.
• Solid grasp of basic electromagnetic theory.
• Understand measurement techniques and concepts relevant to RF applications (e.g. VNA measurements, transmission line theory, etc.)
• Exercises judgment within generally defined practices and policies in selecting methods and techniques for obtaining solutions.

Preferred
• Proficiency in Matlab or similar
• Medical device industry design controls experience including design controls, requirements, risk management, and verification responsibilities.
• Experience using commercial EM simulation software

WHAT WE OFFER
At Abbott, you can have a good job that can grow into a great career. We offer:
• Training and career development, with onboarding programs for new employees and tuition assistance
• Financial security through competitive compensation, incentives and retirement plans
• Health care and well-being programs including medical, dental, vision, wellness and occupational health programs
• Paid time off
• 401(k) retirement savings with a generous company match
• The stability of a company with a record of strong financial performance and history of being actively involved in local communities

Learn more about our benefits that add real value to your life to help you live fully:
www.abbottbenefits.com

Follow your career aspirations to Abbott for diverse opportunities with a company that provides the growth and strength to build your future. Abbott is an Equal Opportunity Employer, committed to employee diversity.

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JOB FAMILY:
Product Development
DIVISION:
CRM Cardiac Rhythm Management

LOCATION:
United States > Sylmar : 13150 Telfair Avenue

ADDITIONAL LOCATIONS:

WORK SHIFT:
Standard

TRAVEL:
Yes, 5 % of the Time

MEDICAL SURVEILLANCE:
Not Applicable

SIGNIFICANT WORK ACTIVITIES:
Continuous sitting for prolonged periods (more than 2 consecutive hours in an 8 hour day), Continuous standing for prolonged periods (more than 2 consecutive hours in an 8 hour day), Keyboard use (greater or equal to 50% of the workday)

Abbott is an Equal Opportunity Employer of Minorities/Women/Individuals with Disabilities/Protected Veterans.

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