Position: MR Scientist

Career Level: LPB
Function: Engineering/Technology
Function Segment: Applications & Workflow
Desired start date: ASAP
Business: GE Healthcare
Business Segment: Healthcare Systems
Location: London, UK, or central UK

Summary

The purpose of this role is to define and develop next-generation MRI applications and support development of the GE MR product roadmap through close collaboration with key research partners in the UK. This role will also work with global cross-functional GE teams to help drive the translation of these new applications into product solutions.

Essential Responsibilities

- Combine knowledge of MR imaging physics, engineering, computer science and clinical needs to explore, design, develop and test new features for MR acquisition, workflow, reconstruction, post-processing, and display on GE MRI scanners
- Use knowledge of diagnostic imaging product portfolio, competitive landscape, and unmet clinical needs to define and shape new development projects in areas such as cardiac MRI and PET/MR
- Identify and foster partnerships and leverage extensive research relationships with key academic collaborators and other 3rd parties in the UK and other European countries to define and develop clinically relevant solutions
- Evaluate and extend new concepts; develop new innovations to strengthen GE IP portfolio
- Contribute to MR scientific societies through 1st-author and co-author publication and presentation of GE research output
- Work with cross-functional engineering teams across global GE sites to integrate prototypes into product-level software, as appropriate
- Work with product managers, regulatory, Global Research Organization, and global marketing to define and conduct research studies and gather clinical proof points for new features
- Use broad expertise in MR physics and applications to help resolve quality issues at customer sites
- Use in-depth expertise to support the development of overall product roadmaps and future development strategy
Qualifications/Requirements

- Ph.D. in Physics, Biomedical Engineering, Electrical Engineering, or related field.
- Demonstrated record of innovation in MR physics research, development of new pulse sequences, reconstruction methods, or other applications of MR imaging techniques.
- Strong English language oral and written communication skills
- Willing and able to be located and working in the UK
- Can-do attitude, flexible, intellectually curious, willing to work with cross-functional, global team
- Willing to travel up to 50% of time
- Programming experience in C and/or C++ and/or Python and/or Matlab

Desired Qualifications

- 3+ years professional experience in MR imaging research
- Familiarity with GE EPIC Pulse Sequence Development environment and GE Orchestra Reconstruction environment.
- Experience working with clinicians within a hospital environment
- Machine learning experience
- Experience with coil development
- Experience with research collaborations
- Previous experience with GE scanners

Contact information

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