United Imaging Healthcare (UIH) is a leading global medical device manufacturer, developer and supplier with a diversified portfolio of advanced imaging equipment and healthcare IT solutions. We are building an innovative team with the mission of developing and supplying advanced technologies to improve patient care worldwide. There are multiple positions available at UIH in multiple cities worldwide. As part of our global team, you will have the opportunities to collaborate with talented and dedicated colleagues while developing your own career path.

Position title
Research Collaboration Scientist

Position description
Founded in 2011 and headquartered in Shanghai, UIH has the Central Research Institution (CRI) and subsidiaries across China, US, and other parts of the world. CRI has multiple research collaboration positions open in Beijing, Shanghai, Wuhan and Shenzhen, China. The position will broadly focus on design, develop, validate and prototype solutions on UIH's products, including PET, MRI, CT, et al. The position can work with colleagues with experienced education and working background, coordinate company’s resources, collaborate with hospitals and research institutions to design clinical studies and develop innovative solutions.

Job responsibilities
1. Explore scientific frontiers, collaborate with hospitals to complete clinical projects, publish study results.
2. Coordinate resources from in/outside of the company, design and lead research projects.
3. Focus on obstacles in clinical practice, collaborate with research institutions to develop innovative technologies and solutions.

Preferred experience
1. Ph.D. in biomedical engineering, computer science, medical imaging, mathematics, physics, or related field, or has at least five years of industry experience.
2. Background of MR/CT/PET-CT, and other medical imaging acquisition, reconstruction, artificial intelligence and/or clinical experience is preferred.
3. Experience in computer programming, and ability for scientific research and publications.
4. Strong communication and collaboration skills, team-player, able to travel.

To apply for the above positions, please send your CV to career_hr@united-imaging.com and ada.jin@united-imaging.com
Position title:
Senior Research Scientist

Position description:
The MR Advanced R&D Group based in Houston, USA is a highly motivated group of multidisciplinary scientists, engineers, and advanced application specialists. Working closely with our product development teams in Shanghai, China, as well as with research partners at universities and academic hospitals worldwide, we share the same passion for change instilled in every UIH employee. An immediate opening for a Senior Research Scientist position is available with a focus on MR pulse sequence development, image reconstruction and post-processing.

Job Responsibilities:

- Be responsible for driving innovative and clinically relevant MR techniques from concept to prototype and final products for clinical applications
- Lead in design and execution of research projects independently or in collaboration with our academic and clinical partners
- Act as a liaison between our research collaborators and UIH internal function groups, including R&D, product definition and development, and marketing teams

Key Qualifications:

- MS with >2 years of work experience or Ph.D. degree in Biomedical Engineering/Biomedical Physics/Computer Engineering and Science/Electrical Engineering/Mathematics or equivalent
- Self-motivated with a desire to create new and innovative solutions
- Ability to work independently as well as in coordination with others
- Experience in C++/C, MATLAB and/or Python programming in image processing, analysis and visualization
- Prior experience in pulse sequence design, image reconstruction and advanced post-processing such as segmentation and registration is highly preferred

To apply for the above positions, please send your CV to career_hr@united-imaging.com and jian.xu01@united-imaging.com.

United Imaging Group is an equal opportunity and affirmative action employer.

Learn more about us at http://www.united-imaging.com/en/home/
Position Title:
Senior Research Scientist or Research Team Leader

Position Responsibilities:
The candidate will lead a team responsible for research and development in multi-physics simulation of medical equipment and cooperation in system architecture, algorithm and application development. The candidate will take charge in research and analysis of system physics principles, and establishing framework of simulation workflow and postprocessing. The team will provide physical principle and simulation guidance for system design, evaluation and problem investigation.

Candidate background:
1. The candidate should hold a doctoral degree in well-known institutes. Research and work experience is preferred.
2. Major area: physics, mathematics, electrical engineering, computer science or other related areas.

Position requirement:
1. Experience in one or several following simulation areas: static electric and magnetic simulation, time-varying or low frequency simulation, radio and microwave simulation, particle simulation etc.
2. Understanding of basic simulation methods such as FEM/MOM/FDTD etc. Proficiency in mainstream simulation tools such as Ansys/CST/FEKO/Sim4Life etc.
3. Capability of independent algorithm development for simulation postprocessing and data analysis.

Job location:
United Imaging Research Institute of Innovative Medical Equipment
13F, Building B, Shenzhen-Hongkong International Science Park, No. 3, Binglang Road, Futian Bonded Area, Futian District, Shenzhen, Guangdong, China

Contact information:
email address      shao.che@united-imaging.com
phone No.          (+86) 17701731106
Position Title:
Senior Research Scientist or Research Team Leader

Position Responsibilities:
The candidate will lead a team responsible for the system architecture and integration of high-speed wireless data communication system for medical equipment. The team will establish the system architecture, provide major system specification and parameters, define sub-system functionality and complete prototype integration, evaluation and design iteration.

Candidate background:
1. The candidate should hold a doctoral degree in well-known institutes. Research and work experience is preferred.
2. Major area: physics, mathematics, electrical engineering, computer science or other related areas.

Position requirement:
1. Experience in novel communication technology such as 5G, MMwave and THz applications. Basic knowledge in analog or digital circuit and modules.
2. Experience in system architecture and integration of communication system. Capability in defining system and module level specifications. Familiar with interfacing of major function modules.
3. Capability of system level simulation and planning, integration level testing and evaluation, and coordination of design iteration.

Job location:
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No. 3, Binglang Road, Futian Bonded Area, Futian District,
Shenzhen, Guangdong, China

Contact information:
email address shao.che@united-imaging.com
phone No. (+86) 17701731106
Position Title:
Senior Research Scientist or Research Team Leader

Position Responsibilities:
The candidate will lead a team which participates in research and development of high field MR imaging, NMR applications, and related system hardware implementation including system architecture and algorithm, system control and processing platform, and novel and high-performance MR coils. The candidate should be familiar with the complete development cycle of MR applications including hardware implementation, system architecture, pulse sequence design and post-processing. The team could choose one or several above areas as its major direction and cooperate with other teams and departments in MR system R&D.

Position Requirement:
The candidate is expected to be experienced in a width range of MR research areas including one or more of the following:

1. Novel NMR or MR Imaging applications
2. High field MRI coil development, including dipole/monopole, TEM, traveling wave or other novel coil types
3. RF field and circuit simulation
4. RF shimming or parallel transmit
5. Transmit SAR simulation and monitoring
6. NMR or multi-nucleus applications and imaging

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