



Who We Are and Who We are Looking for

We are a R&D Centre in the Faculty of Engineering at HKU developing next generation MRI technologies, including ultra-low-field (ULF) MRI. We are looking for talented, proactive and motivated candidates to join our team full-time, preferably on the long-term basis. The positions to be filled are listed as follows:

1. [MRI Research Engineer \(Electromagnetic, Electrical & Mechanical Systems; 2 openings\)](#)

- Qualifications: Bachelor's or Master's degree. Preferably in Electrical / Mechanical / Biomedical Engineering, Medical Physics or a closely related discipline.
- Experience: 1-2 years working experience (senior role); No working experience (junior).
- Technical skills: Proficient in 3D CAD modeling or electromagnetic simulation softwares.
- Expected responsibilities: Design, simulation, prototyping and testing of MRI hardware/systems.

2. [Research Assistant \(Data Analysis and Research Centre Operations; 1 opening\)](#)

- Qualifications: Bachelor's degree. Preferably in Electrical / Biomedical Engineering, Computer Science or a closely related discipline. No working experience required.
- Technical skills: Proficient in programming languages (e.g., Python, C++) and/or software related to signal processing (e.g., MATLAB).
- Expected responsibilities: Provide ad-hoc technical and experimental support to projects.

3. [Research Assistant \(Artificial Intelligence in MRI; 1 opening\)](#)

- Qualifications: Bachelor's degree. Preferably in Computer Science, Electrical / Computer / Biomedical Engineering, Medical Physics, or a closely related discipline. No working experience required.
- Programming skills: Proficient in Python, and familiarity with deep learning frameworks (e.g., PyTorch or Tensorflow) and Git.
- Expected responsibilities: Assist team in managing and maintaining computing resources (e.g., Linux servers, NAS storage systems and GPU workstations) for AI and medical imaging research.

4. [Postdoctoral Research Associate \(Artificial Intelligence in MRI or MRI Hardware; 2 openings\)](#)

- Qualifications: PhD in Computer Science, Artificial Intelligence, Medical Imaging, Medical Physics, Electrical / Mechanical Engineering, or a closely related discipline.
- Research experience: Strong publication/track record in MRI image reconstruction, deep learning applications in MRI, computer vision or related fields (AI in MRI); electromagnetics (MRI hardware).
- Research direction: Develop computing-driven approaches for medical imaging applications, and develop hardware systems, including ULF MRI.

5. [Research Centre Administrator \(1 opening\)](#)

- Qualifications: Bachelor's degree. No working experience required. Preferably female.
- Communication skills: Excellent written and spoken Cantonese, Putonghua and English.
- Technical skills: Proficient in MS Office softwares.
- Expected responsibilities: Assist team in coordinating patient recruitment exercise, managing research ethics applications and reports, and managing procurement tasks.

How to Apply

Interested candidates should submit a CV to hrbispMRI@gmail.com with the subject line "*Application: [Job Title] – [Your Name]*".

Applications will be considered on a rolling basis until the position has been filled.

Contact

Email: hrbispMRI@gmail.com

Website: <https://www4.hku.hk/bisplab/>