

The Brain Imaging Center at Ben-Gurion University and the Department of Medical Imaging at Soroka Medical Center has an opening for MRI Physicist/Engineer.

General:

Ben-Gurion University of the Negev together with Soroka University Medical Center, established the Brain Imaging Research Center (BIRC) as one of the most innovative and powerful imaging facilities in Israel with the mission of combining basic and clinical research on human and animal brain structure and function. BIRC runs 3 MRI systems, the 1T micro-MRI for animal research, a human 1.5T (Philips Achieva, 20% dedicated research time) and a human 3T (Philips Ingenia, 50% dedicated research time). BIRC provides services to over 60 researchers and clinicians, 130 graduate and medical students, and 230 undergraduate students from numerous basic and clinical research fields including neuroscience, neurology, psychiatry, physics, psychology, cognitive sciences, electrical engineering, and biomedical engineering.

We are looking for an MRI Physicist/Engineer to support research and medical activities.

Duties:

The Physicist/Engineer is responsible for:

- Develop new scanning protocols and sequences for clinical and scientific studies.
- Advise PIs on the use of different sequences/protocols for answering specific clinical and scientific questions.
- Optimize MRI scanning protocols and sequences for clinical and research use.
- Establish and Implement QA procedures for ensuring MRI scanning quality.
- Supervise and oversee the technicians who operate the MRI scanner.
- Ensure MRI safety procedures are followed by providing hands on training and workshops.
- Ensure the state-of-the-art research capabilities of the facility by attending conferences, seminars, and keeping abreast of latest technological advances.
- Ensure that all facility equipment is operational and that all software is up to date; troubleshoot and call service if necessary.
- Handle purchases and installation of technical equipment as required to meet research goals.

Qualifications:

Education: PhD in relevant areas of physics, chemistry, electrical engineering, or related field. Individuals with an MA degree and exceptional research experience may also be considered.

Experience: Minimum 4 years hands on experience with MRI related research. Experience with functional neuroimaging is an advantage.

Skills: Proven expertise in designing and implementing MRI protocols and sequences. In depth understanding of anatomical and functional MRI measures and contrasts used in standard clinical and scientific research. Strong inter-personal communication skills including absolute fluency in Hebrew and English. Exceptional work ethics, independence, creativity, ingenuity, and a good sense of humor.

CVs should be sent to:

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