Research Fellow in advanced 7T MRI and MRS for neuroscience applications

Five year contract

As a researcher at the Danish Research Centre for Magnetic Resonance (DRCMR) you will develop novel MRI/MRS sequences, hardware and processing methods often targeted for neuroscientific applications, but also body applications. We have a Philips 7T research only scanner with 2- and 8-channel transmit, 32 receive and 64 shim channels in addition to the standard 3rd order shim.

You will contribute to an exciting field where there will be opportunities to develop advanced MRI/MRS techniques and new computation methods in a multidisciplinary team of engineers, physicists, biomedical and clinical experts. You will be part of the Ultra-high field MR group (www.drcmr.dk/7t).

DRCMR is one of the leading research centers for biomedical MRI in Europe (www.drcmr.dk). Our interdisciplinary research is geared to triangulate between MR physics, basic physiology, and clinical research. Approximately 70 researchers from a diverse range of disciplines work together to pursue basic and clinically applied MR research with a focus on structural, functional, and metabolic MRI of the human brain and its disorders. Collaboration is key at DRCMR – we do not expect any researcher to be able to do everything alone, but we expect everyone to be interested in sharing knowledge with colleagues.

The DRCMR is embedded in the Center for Functional and Diagnostic Imaging and Research, a large diagnostic imaging department including all biomedical imaging modalities at Copenhagen University Hospital Hvidovre. DRCMR has close interaction with clinicians and radiologists and a state-of-the-art MR-research infrastructure, which includes a pre-clinical 7T MR scanner, six whole-body MR scanners (one 7T, four 3T and one 1.5T scanners), a hardware workshop and laboratory, a neuropsychology laboratory, an EEG laboratory, and two laboratories for non-invasive brain stimulation.

Application deadline: March 1st, 2024 at 23:59 (CET).

For further information regarding the position, please contact Associate Professor Henrik Lundell, lundell@drcmr.dk or research fellow Vanessa Wiggermann, vanessaw@drcmr.dk

Find more details about the position and how to apply here: https://candidate.hr-manager.net/ApplicationInit.aspx?cid=342&ProjectId=254408&DepartmentId=18051&MediaId=5710