



Tenure Track/Tenured MR physicist: 14T Whole-Body MRI (DYNAMIC)

Description: We are looking for an MR physicist with a good understanding of modern imaging hardware and a proven interest in neuroimaging, to work on the world's first whole-body 14 T MRI system. As part of the DYNAMIC team, you will play a leading role in the development and implementation of robust neuroimaging methods (functional and anatomical) for patients and healthy volunteers.

Qualifications: You will be responsible for the development and implementation of techniques for the optimisation of the static magnetic field, transmit RF field, and motion correction. You will explore the limits of sensitivity attainable with this unique measurement system. Within this domain you will enjoy academic independence as a principal investigator, with the expectation that you build up your own team and work in close collaboration with other teams participating in the DYNAMIC initiative. As a Principal Investigator within the Donders Institute you will play an active role to encourage, facilitate and enable use of the 14 T system for neuroscientists and clinicians. You will be responsible for teaching bachelors and masters students up to a maximum of 0.2FTE.

In addition to access to the 14 T scanner you will also enjoy access to the imaging facilities of the Donders Institute, which will be particularly relevant during the development phase of the 14T system.

Resources: The Donders Institute for Brain, Cognition and Behaviour at the Radboud University, Nijmegen, The Netherlands is a world-class interfaculty research centre that houses more than 700 international researchers devoted to understanding the mechanistic underpinnings of the human mind. English is the lingua franca at the Institute.

The centre is equipped with four MRI scanners (7T Siemens (at Erwin L Hahn Institute, Essen, 3x 3T Siemens Prisma/Skyra), and high-performance computational and data sharing facilities.

How to apply: Interested candidates can informally contact David Norris directly (david.norris@donders.ru.nl). The deadline for application is 31st July 2023 via the University website only <https://www.ru.nl/en/working-at/job-opportunities/mr-physicist-14t-human-brain-imaging>.