

**Matthias van Osch, PhD.** Professor of Radiology, Leiden University Medical Center, Leiden, The Netherlands and vice-director of the C.J. Gorter Center for high field MRI.

**Talk title: The heart-brain connection**

Dr. Van Osch studied applied physics at the University Twente and obtained his PhD at Utrecht University on the topic of contrast agent perfusion MRI. After moving to Leiden, he switched his research to non-invasive perfusion MRI by means of arterial spin labeling and he became technical project leader for the installation of the first 7 Tesla MRI scanner in The Netherlands in 2007. His research centers around advanced physiological MRI methodology as well as high resolution anatomical neuroimaging. He is part of the management team of the Dutch Heart-Brain Connection consortium: a multidisciplinary effort of neurologists, cardiologists, neuroradiologists, MR physicists, neuropsychologists, and image processing experts that studies how physiology and pathology of the heart, carotid arteries, and brain influence each other and cognition.