



UMC Utrecht



14th in vivo NMR course

October 9–13, 2017

Center for Image Sciences, University Medical Center Utrecht, The Netherlands

Scope of the course

The aim of this course is to introduce PhD students, post-docs and other scientists in the principles of modern *in vivo* NMR imaging (MRI) and spectroscopy (MRS) as applied to living systems in biomedical and biological research.

The course will consist of lectures by experts in the field, as well as theoretical and practical exercises and demonstrations.

Program

Days 1–2: Basic MRI and MRS

Fundamentals of NMR imaging and spectroscopy, pulse sequences, k-space

Days 3–5: Applications and advanced topics

Contrast mechanisms, hardware and RF coils, accelerated imaging, high-field MR, diffusion and perfusion MRI, functional MRI, cardiac MRI/MRS, musculoskeletal MRI/MRS, molecular and cellular imaging

Registration

Registration costs are €350 for PhD students and post-docs, and €700 for medical physicists and other participants. Fees cover attendance to the lectures and practicals, as well as lunch and coffee/tea. Total number of participants is limited to 30.

Registration: secr@isi.uu.nl

Location

Center for Image Sciences
University Medical Center Utrecht
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3584 CX Utrecht, The Netherlands

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