

17th *in vivo* NMR course

September 6–10, 2021

Biomedical Engineering & Physics

Amsterdam UMC, Amsterdam, 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* MR 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

Day 1 - 3: Basic MRI and MRS

- Fundamentals of MRI and MR spectroscopy,
- Basic contrast mechanisms and pulse sequences
- k-space
- exercises and practicals (including RF coil building workshop with Wavetronica)

Day 4 - 5: Applications and advanced topics

- Diffusion / perfusion / flow
- Ultra-high field,
- Neuroimaging
- Cardiovascular MRI
- multi-parametric MRI in clinical practice
- ... and more

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 24.

Registration information will be available soon on the ISMRM Benelux website (<https://www.ismrm-benelux.org>)

We anticipate this to be an **in-person** meeting. The course will **NOT** be held online in case COVID regulations do not allow an in-person meeting. A full refund of registration costs will then be provided.

Contact

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Location

Brasserie de Hoge Dijk
Amsterdam, The Netherlands

<https://www.dehogedijk.nl/brasserie-de-hoge-dijk/>

We reserve the right to cancel with too little attendees, if so, full refund for registrants