



# 13<sup>th</sup> in vivo NMR course

April 11-15, 2016

Academic Medical Center, 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 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

Day 1 - 2: Basic MRI and MRS

Fundamentals of NMR, contrast mechanisms, pulse sequences, k-space, exercises, and practicals

Day 3 - 5: Applications and advanced topics

Diffusion and perfusion, high field, accelerated imaging, hardware and RF coils, fMRI, molecular and cellular imaging, cardiovascular MRI/MRS, musculoskeletal MRI/MRS, NMR studies of plants

## 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 information will become available soon at the ISMRM Benelux Chapter website.

## Contact

Gustav Strijkers, PhD  
Academic Medical Center  
g.j.striekers@amc.uva.nl

## Location

Spinoza Center for Neuroimaging  
Meibergdreef 75  
1105 BK Amsterdam  
The Netherlands