



Lecture Series "Neuroimaging Physics and Signal Processing: Basic MR Acquisition & Image Processing" Block Course

23-29 January 2019

	23-Jan-2019	24-Jan-2019	29-Jan-2019
09:00-10:30	Harald Möller Neuroimaging techniques Nuclear spins and magnetic resonance	Harald Möller Structural MRI with contrast based on relaxation	Harald Möller Hemodynamic response and BOLD contrast
10:30-10:45	Break	Break	Break
10:45-12:15	Harald Möller Spatial encoding and basic pulse sequences	Harald Möller Diffusion-weighted MRI	Harald Möller MR imaging of cerebral blood flow and volume
12:15-13:00	Break	Break	Break
13:00-14:30	Karsten Mueller Basic math refresher	Karsten Mueller Voxel-based morphometry	Karsten Mueller Preprocessing and statistical evaluation of functional data
14:30-14:45	Break	Break	Break
14:45-16:15	Karsten Mueller Spatial processing of structural MRI data	Alfred Anwander Processing of diffusion-weighted data and fiber tracking	Karsten Mueller Basic processing of MRI data using SPM and MATLAB functions

Organiser

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Venue

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