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Lectures on MR 2017

Educational courses, exercises, and practical demonstrations
on MR physics and engineering

Measurement of perfusion and capillary exchange

June 21–23, 2017

Bremen/DE

Programme director:

Felix Breuer

Course organisers:

Matthias Günther

Steven Sourbron

Matthias van Osch

Local organiser:

Matthias Günther

Measurement of perfusion and capillary exchange

Course venue:

University of Bremen / Fraunhofer MEVIS
Bremen/DE

Course language:

English

Educational level:

This course is intended for MR physicists, other scientists and PhD students who already have experience in basic MR methods and knowledge of MR acquisition principles, and who want to get a deeper insight into perfusion imaging and underlying physiological processes and physics.

Topics:

- Physiology
- Perfusion modelling
- Arterial spin labeling (ASL)
- Dynamic susceptibility contrast perfusion imaging (DSC-MRI) and dynamic contrast enhanced (DCE) imaging
- Software for ASL, DSC and DCE

Faculty:

P. Clement, K. Eeg Emblem, M. Günther, M. Jerosch-Herold, H. Laue, S. Mills,
K. Mouridsen, S. Sourbron, M. van Osch, F. von Samson-Himmelstjerna

[A certificate of attendance will be available online for participants.](#)