



*International Workshop
„Magnetic Resonance Studies“*

June 26 - 28, 2014

Sudoměřice u Bechyně, Czech Republic



Supported by Aktion
Austria - Czech Republic
69p14

Venue: Golf Club "Černická obora" (GPS = 49°17'26.270"N 14°33'33.760"E)

Thursday, June 26, 2014

15:00 Welcome

15:30 - 18:00 Scientific session 1

Gunther Helms

Does fast variable flip angle MRI reveal the myelin water fraction?

Martin Gajdosik

Improvements of SVS-1H MRS of Liver at 7T

Dimitris A. Verganelakis

Comparison of STEAM spectra at 3 T and 9.4 T

Miloslav Drobny

Determining of the representation of lipids in heart tissue using MRS

Gilbert Hangel

Accelerated 3D-CSI in the Brain at 7T

19:00 Dinner

Friday, June 27, 2014

8:30 - 10:00 Scientific session 2

Daniel Jirak

Tyrannosaurid pedecessor more brainy than descendants? Gigantism may reversed
CNS-patterns in dinosaurs

Ahmed Sobeih

Characterization of flow through stenoses - project description and first measurements

Matthias Drobnitzky

Bellman's principle of optimality to derive flip angle trains for fast gradient echo imaging

Simon Robinson

Improvements to the Virtual Reference Coil method of combining multi-channel phase data at 7 T

Andrea Galisova

Dynamic MRI and optical imaging of an artificial cell transplant site

10:00 - 10:30 Coffee break

10:30 - 12:00 Scientific session 3

Marjeta Tusek

Measurement of Pi-ATP and PCr-ATP exchange rate during exercise using FAST method at 7T

Michal Povazan

Signal of Macromolecules in fast short-TE MRSI at 7T

Vlado Mlynarik

Comparison of GAG content in knee cartilage determined by gagCEST with biochemical analysis

Ivica Just Kukurova

Carnosine detection in the calf muscles at 7T

Adriane Gröger

In-vivo detection of dopamine in the substantia nigra using 3D MRSI

12:30 Lunch

14:00 – 19:00 Group discussions & Individual consultations

19:00 Dinner

Saturday, June 28, 2014

9:00 - 10:30 Scientific session 4

Roberta Kriegl

Flexible coil array for high-resolution magnetic resonance imaging at 7 Tesla

Pedro Cardoso

Nyquist ghost correction methods in Echo Planar Imaging at 7T

Barbara Dymerska

Dynamic correction of geometric distortions in EPI: "CURED"

Lenka Mináriková

Diffusion-weighted MRI in breast cancer at 3 and 7T: a comparison

Frank Eibofner

Magnetic resonance visualization of conductive structures by sequence-triggered direct currents and spin-echo phase imaging

10:30 - 11:00 Coffee break

11:00 - 11:40 Scientific session 5

Petr Sedivy

Dynamic ^{31}P MR spectroscopy of plantar flexion: Influence of ergometer design, magnetic field strength (3 T and 7 T), and RF coil design

Elmar Laistler

Coil design for high fields

12:00 Lunch & Adjourment
