



International Workshop
„Magnetic Resonance Studies“

June 23 - 25, 2016

Rožnov pod Radhoštěm, Czech Republic



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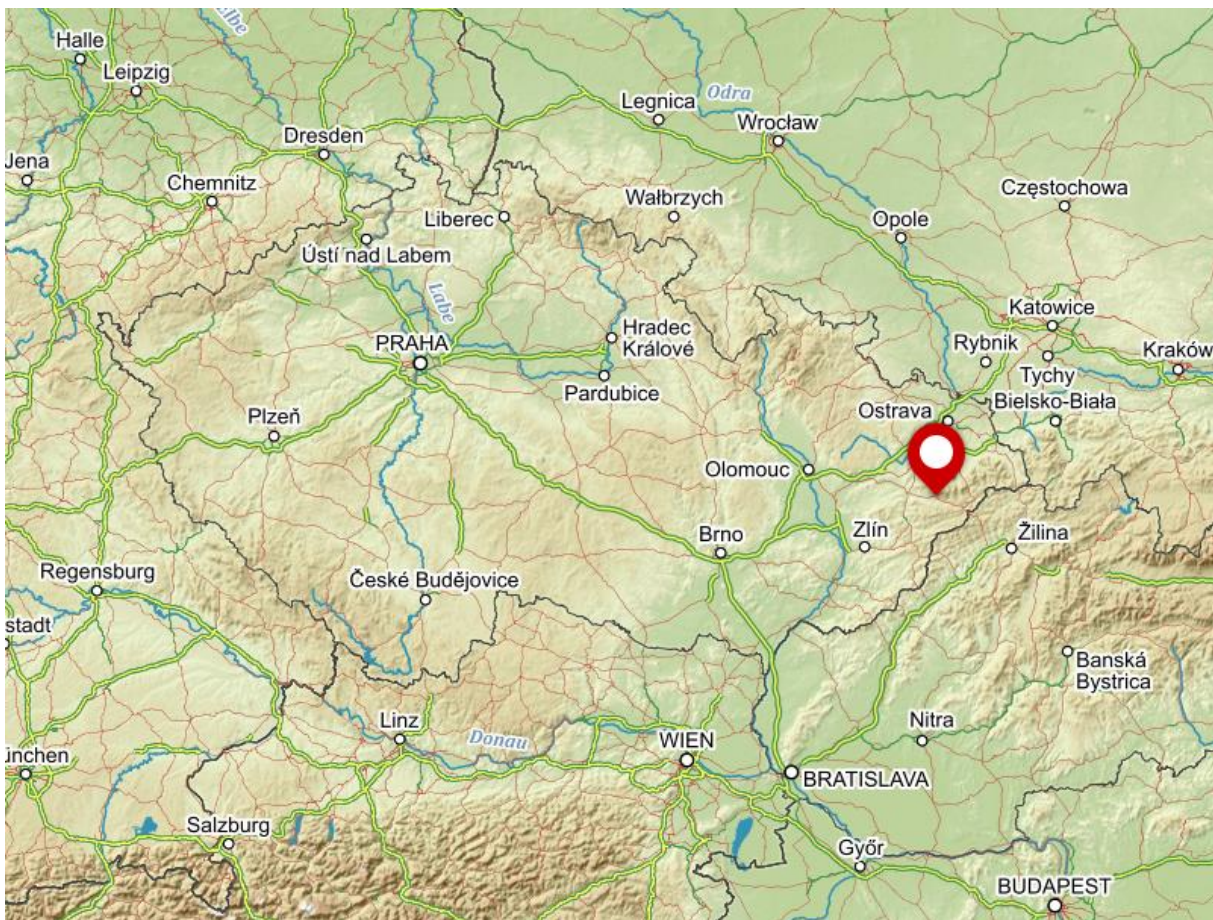
Organizers: Daniel Jirák, Martin Krššák

Venue:

HOTEL HORAL
Radhošťská 1691
756 61 Rožnov pod Radhoštěm
Czech Republic

<http://www.hotel-horal.cz/en/>

GPS: 49°27'59.107"N, 18°9'41.888"E



Thursday, June 23, 2016

15:00 Welcome

15:30 - 18:00 Scientific session 1

Michal Považan

Postprocessing of ultrashort echo MRSI

(~15min)

Eva Hečková

Comparison of FID-MRSI in the brain between 3 and 7 T

(~15min)

Martin Gajdošík

Breaking down NAFLD with multinuclear MR spectroscopy at 7T

(~20min)

Petr Šedivý

Diabetic patients with peripheral artery occlusive disease examined by dynamic ^{31}P MR spectroscopy

(~15min)

Michał Staniszewski

Methods of analysis and processing NMR data

(~15min)

Evening Lecture:

Uwe Klose

ADC histogram analysis: an additional method for clinical diagnostics

(~45min)

19:00 Dinner

Friday, June 24, 2016

8:30 - 9:45 Scientific session 2

Tomáš Tvrđík, Ľubomír Melicherčík, Ladislav Bačiak, Radka Tušková and Svatava Kašparová

Metabolic model of the rat brain degeneration including therapy studied by selecting combinations of appropriate MR imaging and spectroscopic techniques (~15min)

Ladislav Bačiak

MRI volumetry optimization of metastatic lung cancer in athymic tissue

Radim Koříněk

MRI based characterization and segmentation of adipose tissue (~15min)

Markéta Jirátová

Glycogen based drug delivery systems (~15min)

Andrea Gálisová

In vivo MRI of a novel glycogen-based tumor-targeting contrast agent (~15min)

9:45 - 10:00 Coffee break

10:00 - 11:30 Scientific session 3

Pedro Cardoso

The importance of correcting susceptibility-related distortions in presurgical fMRI at 7 T (~15min)

Barbara Dymerska

Investigating the impact of temporal signal fluctuations and local effective echo times on indices of BOLD (~15min)

Albrecht Ingo Schmid

Different approaches to rapid ³¹P imaging of Pi and PCr (~15min)

Marek Chmelík

In vivo ³¹P 3D MRSI of the hepatobiliary system with improved coverage due to the 8 channel receive (~15min)

12:00 Lunch

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

19:00 Dinner

Saturday, June 25, 2016

9:00 - 10:15 Scientific session 4

Roberta Kriegl

Flexible multipurpose coil array for 3T MRI (~15min)

Sigrun Goluch

Developing a $^{13}\text{C}/^1\text{H}$ coil for carbon spectroscopy in skeletal muscle enabling proton decoupling

(~15min)

Sajad Hossein Nezhadian

A Flexible Phased-Array Coil for Cardiac MRI At 7 T (~15min)

Martin Burian

Concomitant gradient fields and their role in generation of eddy currents (~15min)

10:15 - 10:30 Coffee break

10:30 - 11:30 Scientific session 5

Lenka Mináriková & Esau Poblador

Dynamic ^{31}P MR spectroscopy of plantar flexion: Influence of ergometer design, magnetic field strength (3 T and 7 T), and RF coil design (~30min)

Vladimír Mlynárik

gagCEST – what has been done and what has to be done in the future (~20min)

12:00 Lunch & Adjourment