



UNIVERZITA KARLOVA V PRAZE

1. lékařská fakulta

Děkanát - Kateřinská 32, 121 08 Praha 2

International Workshop „Magnetic Resonance Studies“

(Project number: 69p14)

Final Report

The goal of this project was to organize international workshop on magnetic resonance imaging (MRI) and spectroscopy (MRS) and to familiarize the audience with the scientific projects and recent advances on three medical-research sites in Prague, Vienna and Tuebingen. These traditional workshops started already in 1995. The workshop held this year took place in Soudoměřice u Bechyně, Czech Republic from June 26th to June 28th 2014.

The focus of scientific part of the meeting was given to educational and scientific lectures given by senior researchers of all three institutes, guest lecturers and presentations given by graduate and postgraduate students on the topic of their projects in five scientific sessions. The focus was laid on:

- i) Comparison of magnetic resonance spectroscopy at 3T, 7T and 9.4T
- ii) ¹H/³¹P magnetic resonance spectroscopy (brain, skeletal muscle and liver) - Improvements in quantification, spectral and spatial resolution, etc.
- iii) Magnetic resonance imaging/spectroscopy - biomedical and clinical applications
- iv) Advances and new approaches in MR hardware and software – coil design, data acquisition, correction methods
- v) New magnetic resonance methods – gagCEST

The complete program of the workshop is attached.

The workshop further aimed at discussions and consultations of problems with MR sequences and data evaluation and preparation of joint projects for the near future. Total price for accommodation of participants from Austria and Czech Republic, hire charge of conference room, sound system and data projector was 100000 CZK.

The workshop was complemented by social event for all participants in the evening of June 27th with guided tour to the nearby castle Bechyne.

Dr. Daniel Jiráček
MR Unit
1st Faculty of Medicine
Charles University in Prague
Czech Republic

Dr. Martin Krššák
Division of Endocrinology & Metabolism
Department of Internal Medicine III
Medical University of Vienna
Austria

List of Participants:

**1st Faculty of Medicine, Charles University
Prague and Magnetic Resonance Unit, Institute for Clinical and
Experimental Medicine:**

1. Daniel Jirák
2. Monika Dezortová
3. Milan Hájek
4. Jaroslav Tintěra
5. Dita Wagnerová
6. Václav Porod
7. Andrea Gálisová (Ph.D. student)
8. Jan Rydlo (Ph.D. student)
9. Miloslav Drobný (Ph.D. student)
10. Petr Šedivý (Ph.D. student)
11. Lucie Súkupová (Ph.D. student)

**Centre of Excellence - High Field MR, Department of Radiology & Centre
for Biomedical Physics and Engineering, Medical University of Vienna**

12. Martin Krssak
13. Wolfgang Bogner
14. Marel Chmelik (PostDoc)
15. Martin Gajdosik (Ph.D. student)
16. Gilbert Hangel (Ph.D. student)
17. Pedro Cardoso (Ph.D. student)
18. Barbara Dymerska (Ph.D. student)
19. Lenka Minarikova (Ph.D. student)
20. Marjeta Tusek (Ph.D. student)
21. Michal Povazan (Ph.D. student)
22. Lorenz Pflieger (Diploma student)
23. Ivica Just Kukurova (Ph.D. student)
24. Vlado Mlynarik
25. Simon Robinson
26. Roberta Kriegl (Ph.D. student)
27. Elmar Laistler
28. Monika Kipfelsberger (Diploma student)
29. Bernhard Strasser (Ph.D. student)

**MR Research Group, Department of Diagnostic and Interventional
Neuroradiology, Eberhard-Karls-University, Tübingen and other
Germany cooperating institutions**

30. Uwe Klose
31. Adriane Gröger

- 32. Frank Eibofner (Ph.D. student)
- 33. Dimitris A. Verganelakis (Ph.D. student)
- 34. Ahmed Sobeih (Ph.D. student)
- 35. Petros Martirosian (Ph.D. student)
- 36. Matthias Drobnitzky
- 37. Gunther Helms, Univ. of Göttingen, Germany

Enclosure: Program of workshop (Program_Aktion2014final.pdf)

Daniel Jiráček
Daniel Jiráček

