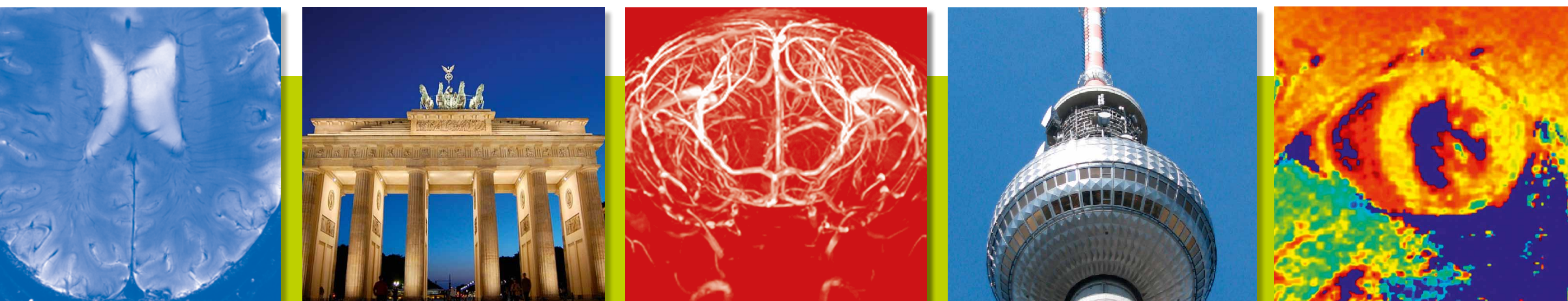


2nd Annual Scientific Symposium

Friday, June 24th 2011
8.50 a.m. – 8 p.m.

Max Delbrück
Communications Center
(MDC.C), Berlin

ULTRAHIGH FIELD MAGNETIC RESONANCE: Clinical Needs, Research Promises and Technical Solutions



Local organizer: Thoralf Niendorf (MDC, Berlin), Jeanette Schulz-Menger (Charite', Berlin), Bernd Ittermann (PTB, Berlin)

PROGRAM OVERVIEW

08.50 **Welcome**
Hans Koch, PTB, Berlin, Germany

Getting to the matter of the heart: Clinical needs and research promises for UHF MR in Cardiology

- 09.00-09.30 **Unsolved Problems and Unmet Needs of Clinical Cardiovascular MR**
Matthias Friedrich, Libin Center, Calgary, Canada
- 09.30-09.50 **The Bells and Whistles of UHF MR Technology for Cardiac MR**
Tommy Vaughan, CMRR, Minneapolis, USA
- 09.50-10.10 **UHF MR: Wild Dreams of a Clinical Cardiologist**
Jeanette Schulz-Menger, Charite', Berlin, Germany
- 10.10-10.30 **Future Directions of Cardiovascular MR @ 7.0 T**
Thoralf Niendorf, MDC, Berlin, Germany

Getting to the matter of the brain: Clinical needs and research promises for UHF MR in Neuroscience

- 10.45-11.15 **Future Directions of UHF Neuro MR: My way**
Kamil Ugurbil, CMRR, Minneapolis, USA
- 11.15-11.35 **Role and Research Promises of UHF in Neuroscience**
John Dylan Haynes, Charite, Berlin, Germany
- 11.35-11.55 **Ultra High Field MR at the Border Between Physics and Neuroscience**
David G. Norris, MPI Nijmegen, The Netherlands
- 11.55-12.15 **Hybrid Brain Imaging: Opportunities and Challenges of MRPET at 9.4 T**
Jon N. Shah, Jülich, Germany
- 12.15-13.45 **Lunch break: B.U.F.F.et + POSTER SESSION**

Translational research: From blue sky explorations to clinical applications

- 13.45-14.15 **Molecular MR Imaging: Hype or Hope?**
Klaas Nicolay, Eindhoven, The Netherlands
- 14.15-14.35 **Insights from Molecular Imaging of Atherosclerosis**
Rene' Botnar, Kings College, London, UK
- 14.35-14.55 **Challenges and Opportunities of Nanomolecular MR Probing in Experimental Neuroimmunology**
Sonia Waiczies, MDC, Berlin, Germany
- 14.55-15.15 **Bruker: Animal UHF MR – Mission & Vision**
Tim Workina, Bruker, Ettlingen, Germany
- 15.15-16.15 **Coffee break: B.U.F.F.et + POSTER SESSION**

Looking at the horizon

- 16.15-16.45 **What is next in UHF MR?**
Daniel K. Sodickson, NYU, New York, USA
- 16.45-17.05 **Lessons Learned from/for Parallel Transmission at Ultrahigh Fields**
Bernd Ittermann, PTB, Berlin, Germany
- 17.05-17.25 **Breaking the limits with low field NMR: From Ancient Egyptian Mummies through Ötzi to the Louvre**
Bernhard Blümich, RWTH, Aachen, Germany
- 17.25-17.45 **Siemens: Human UHF MR – Mission & Vision**
Walter Märzendorfer, Siemens, Erlangen, Germany
- 18.00 **Tour de Facility**
- 20.00 **Social Event**