

EUPRIM-Net Workshop on

In vivo imaging of non-human primates

29th and 30th of June 2015

German Primate Center (DPZ), Göttingen

Kellnerweg 4

Monday 29th June

9:00 Guided tours through the German primate Center animal facilities
and the new imaging building

10:30 Welcome and introduction
S. Boretius, B. Pauling, R. Teepe, DPZ, Göttingen

Session I: Multimodal imaging

10:45 Refinement of infectious disease studies using advanced imaging
M. Dennis & S. Sharpe, Public Health England

11:15 SPECT - Functional imaging in non-human primates
U. Engeland, Scivis, Göttingen

11:45 Optical imaging in preclinical research: present applications and future developments
F. Alves, Göttingen

12:15 Hyperpolarized MRI – Potential and perspectives
J.B. Hövener, University Freiburg

12:45 ***Lunch Break***

13:45 Lectures on advanced cardiovascular primate imaging organized and sponsored by German
Center for Cardiovascular Research (DZHK)

16:00 Coffee Break

Session II: On the particular value of imaging in non-human primates

16:30 Research in non-human primates, Expectations towards future functional imaging
Discussion round with all participants. Introductory statements and discussion chair:
S. Treue, DPZ, Göttingen

17:00 Functional magnetic resonance imaging in awake marmosets
C. Ferris, Northeastern University, Boston

18:00 End
Working tour through the old city of Göttingen (optional)

19:30 ***Dinner***

Tuesday 30th June

Session III: Imaging of the Brain

- 9:00 Diffusion weighted imaging: Basic concepts and recent technological advances
F. Laun, DKFZ, Heidelberg
- 9:30 Arterial spin labeling: Non-invasive perfusion measurements and beyond
M. Günther, University Bremen
- 10:00 Towards tailored shim adjustments and measurement volumes
for functional MR imaging and MR spectroscopy
J. Finsterbusch, University Hamburg
- 10:30 Probing neurotransmission and brain metabolism
by advanced magnetic resonance spectroscopy
A. Henning, Max Plank Institute of Biological Cybernetics, Tübingen
- 11:00 **Coffee Break**
- 11:30 Anatomical and functional neuroimaging in conscious awake marmosets
A. Silva, NIH, Bethesda, USA
- 12:30 Closing remarks
S. Boretius, DPZ, Göttingen
- 12:45 **End and lunch**