



Workshop Small Animal Imaging

Rijeka, March 15th – 16th 2012
University of Rijeka, Faculty of Medicine
Department of Histology & Embryology

Workshop Program

Day 1 *moderated by Dr Felix Wensveen* **Thursday, March 15th**

- 10.00 – 10.15 **Dr Felix Wensveen**, MEDRI, Rijeka, Croatia
Welcome
- 10.15 – 11.00 **Dr Jens Waldeck**, Carestream, Frankfurt, Germany
Introduction into Molecular Imaging: A general overview and a deeper insight into optical imaging
- 11.00 – 11.15 Coffee break
- 11.15 – 12.00 **Dr Stephan Halle**, Hannover Medical School, Germany
Visualization of CD8 T cell immunity by 2-Photon microscopy
- 12.00 – 13.00 Lunch
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- 13.15 – 17.00 **Practical part Day 1**
- *In vivo* imaging of melanoma in mouse models
 - *In vivo* imaging of human astrocytoma in mouse models
 - An introduction to data analysis and tumor burden quantification of *in vivo* images
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Day 2 *moderated by Dr Peter Huszthy* **Friday, March 16th**

- 09.00 – 10.00 **Dr Anna Yudina**, University of Bordeaux, France
*Temperature-controlled Ultrasound-mediated intracellular delivery of cell-impermeable molecules and their *in vivo* tracking via optical imaging*
- 10.00 – 11.00 **Dr Ralf Bergmann**, Institute of Radiopharmacy, Dresden, Germany
Optical imaging in small animal physiology and pharmaceutical research
- 11.00 – 11.15 Coffee break
- 11.15 – 12.15 **Dr Carsten Hoeltke**, University Hospital Muenster, Germany
Fluorescent Probes for the Optical Molecular Imaging of Vascular Pathologies
- 12.30 – 13.30 Lunch
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- 13.30 – 17.00 **Practical part Day 2**
- Multi-color *In vivo* imaging of tumors in mouse models
 - *In vivo* imaging of viral infection in immune-competent and immune-deficient hosts
 - Data analysis, tumor burden and viral load quantification of *in vivo* images
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