



Workshop

Photoacoustic Imaging in Biology and Medicine

Obergurgl 06.-10.03.2014



Programme

Thursday, 06.03.2014

- 16.00-18.00 Check in
18.00 Dirk Meyer: *Welcome*
18.15 Otmar Scherzer: *Update on FWF decision*
18.40 Dinner

Friday, 07.03.2014

- 09.00-09.35 Sibylle Gratt: *Line detector array for fast photoacoustic tomography*
09.35-10.10 Bauer-Marschallinger/Berer: *Photoacoustic projection imaging using a fiber optic detector array*
10.10-10.45 Peter Elbau: *Modelling Focusing Detectors*
10.45-11.00 Coffee break
11.00-11.35 Julian Schmid: *Non-uniform grid sampling in PA image reconstruction*
11.35-12.10 Robert Nuster: *CCD-camera based three-dimensional photoacoustic tomography of vasculature*

12.10-17.30 Break (no lunch): ‚Wandern oder Rodeln‘

17.30-19.00 *Quo vadis PAI ? open discussion*
19.00 Dinner

Saturday, 08.03.2014

- 09.20-09.55 Thomas Glatz/Thomas Widlak: *PAI elastography based on texture generation*
09.55-10.30 Wolf Naetar: *Quantitative photoacoustic imaging with piecewise constant material parameters*
10.30-10.50 Coffee break
10.50-11.25 Behrooz Zabihian: *Contrast Agent Enhanced all optical detection PAT/OCT*
11.25-12.00 Nicole Schmitner: *Different potential for exocrine pancreas regeneration in larva and adult zebrafish*

12.10-17.30 Break (with lunch)

Saturday, 08.03.2014, Afternoon

- 17.30-18.05 Gerhild Wurziinger: *Combined photoacoustic and speed-of-sound imaging using integrating optical detection*
18.05-18.40 Thomas Berer: *Two-photon absorption-induced photoacoustic and luminescence imaging*
19.00 Dinner

Sunday, 09.03.2014

- 09.00-09.35 Mengyang Liu: *Development of dual modality photoacoustic, optical coherence tomography imaging systems --- from sub-cellular structure to whole-body imaging*
09.35-10.10 Leonidas Mindrinos: *Inverse Scattering in Optical Coherence Tomography*
10.10-10.45 Thomas Berer: *Multimodal non-contact photoacoustic and OCT imaging*
10.45-11.00 Coffee break
11.00-11.35 Boris Hermann: *Towards in vivo clinical dermatologic dual modality photoacoustic and optical coherence tomography*
11.35-12.10 Mengyang Liu: *In vivo dual modality photoacoustic and optical coherence tomography imaging in zebrafish and chick embryo*

12.10-17.30 Break (with lunch)
17.30-19.00 General discussion

19.00 Dinner

Monday, 10.03.2014

- Check-out: bus leaving ca. 08.00 am