

The yearly meeting of the Biomedical Photonics Network

## Progress in Biomedical Photonics

takes place at the CSEM in Neuchâtel, 30<sup>th</sup> November 2011 from 9:45 to 16:00

### Program

- 09:45-10:00 Registration, coffee and croissants
- 10:00-10:10 Welcome and introduction BMPM  
Martin Wolf, University Hospital Zurich
- 10:10-10:35 Imaging through turbid layers  
Christof M. Aegerter, University of Zurich
- 10:35-10:55 Second harmonic imaging probes for bio□labeling  
Luigi Bonacina, University of Geneva
- 10:55-11:10 Imaging beta-amyloid plaque load on a transgenic mouse model of  
Alzheimer's disease using a new generation FMT/MRI system  
Katerina Dikaiou\*, ETHZ
- 11:10-11:25 Optical fibre biosensor for wound healing monitoring  
Stéphanie Pasche\*, CSEM Neuchâtel
- 11:25-11:45 Phase sensitive X-ray imaging: Towards medical applications  
Christian Kottler, CSEM Zurich
- 11:45-12:00 Polarized MonteCarlo simulation to mimic realistic tissue models  
Günhan Akarcay\*, M. Frenz, J. Ricka, University of Bern
- 12:00-12:15 Tumor oxygenation: A crucial but not yet measured biomarker  
Martin Wolf, University Hospital Zurich
- 12:15-14:15 Lunch and poster viewing
- 14:15-15:30 Introduction to CSEM followed by guided tour through CSEM  
Nicolas Blanc, CSEM
- 15:30-16:00 CSEM award presentation and closing  
Nicolas Blanc, CSEM and Martin Wolf University Hospital Zurich

\*Eligible for **AWARD** sponsored by **CSEM**, for the best oral or poster presentation by a young researcher ( $\leq 35$  years old).

#### We gratefully acknowledge our sponsors:

CSEM SA, Neuchâtel

The Swiss Society of Optics and Microscopy

The Center for Imaging Science and Technology ETH/UZH Zurich

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