



**ADVANCED OPTICAL METHODS
FOR ASSESSMENT AND MONITORING
OF CLINICAL THERAPY AND SURGERY**

6TH INTERNATIONAL SAOT WORKSHOP ON OPTICS IN MEDICINE



JUNE 12-13, 2009 | ERLANGEN, GERMANY

Workshop Chair:

Guest Professor Dr. Alexandre Douplik
Professor Dr. Alex Vitkin (Co-Chair)
Professor Dr. med. Eckhart G. Hahn (Co-Chair)

Local Organising Committee:

Angelos A. Kalitzeos (Chair), Ms. Christina Ort

----- **Program** -----

Time	Friday, June 12, 2009
08:00	<i>Registration</i>
08:30	<i>Douplik, Alexandre</i> - University of Erlangen – Nuremberg, Germany "Welcome and Opening Remarks"
08:45	<i>Schmidt, Michael</i> – University of Erlangen – Nuremberg, Germany "The Erlangen Graduate School in Advanced Optical Technologies (SAOT)"
09:00	<i>Douplik, Alexandre</i> – University of Erlangen – Nuremberg, Germany "Optical Methods for Surgery Assessment and Monitoring"
09:35	<i>Whelan, William</i> – University of Prince Edward Island, Canada "Non-Invasive Characterization of Turbid Media Using Optoacoustics"
10:20	Coffee break
10:50	<i>Steiner, Rudolf</i> – Ulm University, Germany "From On-line Diagnosis to Therapy"
11:35	<i>Gryczynski, Zygmunt</i> – University of North Texas, USA "Biomedical Applications of Advanced Fluorescence Methods: from Single Molecule Diagnostics to Cancer Imaging"
12:20	Lunch break
13:20	<i>Georgakoudi, Irene</i> – Tufts University, USA "Quantitative Biochemical and Morphological Biomarkers of pre-cancers extracted from Endogenous Two-Photon Fluorescence Images of Engineered Tissues"
14:05	<i>Neurath, Markus F.</i> – Med 1, University of Erlangen – Nuremberg, Germany "Confocal Laser Microscopy: Clinical Application in Gastrointestinal and Liver Disease"
14:30	<i>Loschenov, Viktor</i> – Russian Academy of Science, Russia "Laser Spectroscopy Methods in Clinical Surgery and Therapy"
15:05	Coffee break
15:35	<i>Priezzhev, Alexander</i> – Moscow State University, Russia "Advanced Optical Methods for Assessing the Hemorheological Disfunctions and Monitoring the Effect of Clinical Procedures"
16:20	Transfer to the hotels (speakers only)

Time	Evening Program *
17:30	Bus transfer to Bamberg
18:15	"The Night Watchman's Call" Guided City Tour through the World Cultural Heritage Site Bamberg
19:30	Dinner in Bamberg
22:30	Bus transfer to Erlangen

* Applications are welcome (only restricted attendance possible)

Time	Saturday, June 13, 2009
09:00	<i>Vitkin, Alex</i> – University of Toronto, Canada “Doppler Optical Coherence Tomography for Real-Time Treatment Monitoring of Photodynamic Therapy”
09:35	<i>Szmacinski, Henryk</i> – University of Maryland, USA “Optical Amplification of Surface-Bound Probes: Design of One-step Immunoassays for Detection of Cancer Biomarkers”
10:20	Coffee break
10:50	<i>Prahl, Scott</i> – Oregon Health and Science University, USA “Optical Wire Lumpectomy”
11:35	<i>Côté, Daniel</i> – University Laval Robert-Giffard, Canada “Novel Optical Imaging Modalities in Neuroscience for Disease Monitoring”
12:20	Lunch break
13:20	<i>Kakihana, Yasuyuki</i> – Kagoshima University, Japan “Cerebral Monitoring by Near-Infrared Spectroscopy in the Operating Room and Intensive Care Unit”
14:05	<i>Weersink, Robert</i> – University Health Network, Canada “The Treatment of Prostate Cancer with Light: a Comparison of Photodynamic and Photothermal Therapies”
14:50	<i>Hahn, Eckhart G.</i> – Med 1, University of Erlangen – Nuremberg, Germany “Clinical Perspective of Innovations in Advanced Optical Methods for Assessment and Monitoring of Treatment”
15:10	Coffee break
15:40	<i>Dirceu, José</i> – University of São Paulo, Brazil “Photobleaching and Correlation with Photodynamic Therapy Outcome”
16:20	End of Workshop



Bamberg



“Advanced Optical Methods for Assessment and Monitoring of Clinical Therapy and Surgery”

Workshop Venue:
Ulmenweg 18
91054 Erlangen, Germany
First Floor, Room 01.518-1
Konferenz 1

