

Preliminary Program
6th Workshop on Advanced Multiphoton and
Fluorescence Lifetime Imaging Techniques FLIM 2011

Saarland University, Saarbrücken, Germany
 May 29-31, 2011

Sunday, May 29	Afternoon Session		Location: Aula
15:00 -	Registration		
15:20 - 15:30	Opening	<i>Opening remarks</i>	K. König, W. Becker
15:30 - 19:15	Session 1 Technology / Methods I		
15:30 - 16:00	<i>Overview: State-of-the-art multiphoton tomography</i>		K. König
16:00 - 16:30	<i>Probing molecular interactions by fluorescence lifetime imaging</i>		W. Becker
16:30 - 17:00	<i>High throughput, high content wide-field two-photon imaging and spectroscopy</i>		P. So
17:00 - 17:30	<i>Analysis of FLIM data</i>		E. Gratton
17:30 - 17:45	<i>Coffee break</i>		
17:45 - 18:15	<i>Fluorescence lifetime imaging and high content analysis</i>		P. French
18:15 - 18:45	<i>Multiphoton imaging with 10-fs pulses</i>		G. Hüttmann
18:45 - 19:15	<i>CARS module for multimodal microscopy</i>		R. Zadoyan
19:15 - 21:00	Poster session with beer and pretzels		

Monday, May 30		Morning Session		Location: Aula, Labs
9:00 - 11:00	Session 2 Biomedical Applications I			
9:00 - 9:20	<i>Two-photon fluorescence spectroscopy of melanin in vivo</i>		T. Krasieva	
9:20 - 09:40	<i>Simultaneous FRAP, FLIM and tr-FAIM to image rotational and translation diffusion in living cells</i>		K. Suhling	
9:40 - 10:00	<i>Non-invasive in vivo analysis of patients suffering from Atopic Dermatitis using multiphoton tomography</i>		S. Schneider	
10:00 - 10:20	<i>Non-invasive evaluation of dermal elastosis by in vivo multiphoton FLIM tomography</i>		J. Köhler	
10:20 - 10:40	<i>FLIO with a Spectralis system</i>		O. La Schiazza	
10:40 - 11:00	<i>In-vivo CARS tomography in dermatology</i>		H. G. Breunig	
11:00 - 14:45	Workstations	<ol style="list-style-type: none"> 1. Becker & Hickl: FLIM microscope 2. FemtOgene: Nanoprocessing with 10 fs laser pulses 3. CARS-Dermalinspect: Multiphoton tomograph with CARS PCF module 4. MPTflex: Award-winning flexible clinical multiphoton tomograph 5. Photoacoustic imaging system: Kibero/IBMT (EU project Skinspection) 		
12:00 - 13:00	Lunch and poster session			
Monday, May 30		Afternoon		
15:00 -	Excursion to Luxembourg			
20:00	Dinner in Mettlach			
22:00 - 23:00	Arrival in Saarbrücken			

Tuesday, May 31		Morning Session	Location: Aula
9:00 - 12:20	Session 3 Biological Applications II		
9:00 - 9:30	<i>Multiphoton tomography to monitor changes in organ function and drug disposition in human skin and in liver</i>		M. Roberts
9:30 - 10:00	<i>Investigating protein-protein interaction in living cells using FLIM Microscopy</i>		A. Periasamy
10:00 - 10:30	<i>FLIM for functional ocular fundus imaging</i>		M. Hammer
10:30 - 11:00	<i>Modulation tracking: A new nano-imaging method to study protein dynamics in-vivo</i>		M. Digman
11:00 - 11:20	<i>Coffee break</i>		
11:20 - 11:40	<i>Real time monitoring binding and insertion of single transmembrane proteins to lipid bilayers by the insertase</i>		M. Börsch
11:40 - 12:00	<i>FRET Measurements by TCSPC FLIM</i>		W. Becker
12:00 - 12:20	<i>High-resolution imaging of nestin-expressing stem cells in hair follicles</i>		A. Uchugonova
12:20 - 13:20	Lunch break and poster session		
Tuesday, May 31		Afternoon Session	Location: Aula
13:20 - 15:10	Session 4 Medical Applications		
13:20 - 13:50	<i>The multiple uses of fluorescent proteins to visualize cancer in vivo</i>		R. Hoffman
13:50 - 14:10	<i>Optical biopsies based on optical coherence tomography</i>		R. Leitgeb
14:10 - 14:30	<i>High resolution acoustic and optoacoustic imaging in preclinical studies and clinical research</i>		R. Lemor
14:30 - 14:50	<i>Imaging of skin cancer using multidimensional multiphoton fluorescence lifetime imaging</i>		C. Dunsby
14:50 - 15:25	<i>Coffee break</i>		
15:25 - 17:05	Session 5 Technology / Methods II		
15:25 - 15:45	<i>Hyperspectral CARS imaging</i>		A. Volkmer
15:45 - 16:05	<i>New approaches towards novel light sources for real world applications</i>		A. Stingl
16:05 - 16:25	<i>Simultaneous fluorescence and phosphorescence lifetime imaging</i>		B. Su
16:25 - 16:45	<i>New developments in lasers for multiphoton microscopy</i>		A. Krüger
16:45 - 17:05	<i>Sub-15 femtosecond laser microscopy</i>		M. Straub
17:05 - 17:10	<i>Closing Remarks with Crement</i>		K. König

The workshop starts on Sunday, May 29, 2011. Selected speakers will present hot and emerging topics on multiphoton microscopy, time resolved fluorescence and multiphoton tomography.

The registration fee includes lectures and practical exercises on workstations, as well as catering (lunch, coffee and snacks).

Full registration	400,00 €
Student´s registration	150,00 €
One-day-only registration	150,00 €
Conference event	25,00 €

On the afternoon of May 30, an excursion to Luxembourg will be organized.