

Program

12th Workshop on Advanced Multiphoton and Fluorescence Lifetime Imaging Techniques FLIM 2018

Berlin-Adlershof, Germany

June 15 - 16, 2018

Friday, June 15		
08:30 - 09:00	Registration	
09:00 - 09:10	Opening	Opening remarks K. König
09:10 - 09:30	Overview: State-of-the-art multiphoton tomography and FLIM K. König	
09:30 - 09:50	A new FLIRR technique to investigate the Redox Ratio in liver Cancer cells and tissue A. Periasamy	
09:50 - 10:10	3D FLIM microscopy for photovoltaics B. Ursprung	
10:10 - 10:30	Multiphoton imaging of skin morphology, physiology and transport processes M. Roberts	
10:30 - 11:00	Coffee Break	
11:00 - 11:20	The Multi-Dimensional World of TCSPC FLIM W. Becker	
11:20 - 11:40	Time-resolved fluorescence anisotropy and FLIM of fluorescent molecular rotors in living cells K. Suhling	
11:40 - 12:00	Rapid vertical tissue imaging with clinical multiphoton tomography H.G. Breunig	
12:00 - 12:20	Simultaneous metabolic and oxygen imaging A. Rück	
12:20 - 12:40	Fluorescence time-resolved macroimaging V. Shcheslavskiy	
12:40 - 13:40	Lunch	
13:40 - 14:00	Multimodal optical imaging for regenerative medicine E. Zagaynova	
14:00 - 14:20	Two-photon imaging of skin age A. Schindele	
14:20 - 14:40	Time resolved imaging with stimulated emission in Pump-Probe Microscopy F. Kao	
14:40 - 15:00	Optical clearing as a promising technique for in vivo optical aging and treatment of hidden pathologies V. Tuchin	
15:00 - 15:20	Laser-induced photobleaching of endogenous fluorescence A. Chorvatova	
15:20 - 17:00	Beer, Pretzels & Poster Session (3 min ptch) Hands-on workstation	
17:00 - 21:00	Evening program (guided tour + dinner)	

Saturday, June 16		
09:00 - 09:20	<i>Wide-field nonlinear microscopy</i>	P. So
09:20 - 09:40	<i>Metabolic characterization and particle tracking by clinical multiphoton tomography</i>	V. Huck
09:40 - 10:00	<i>Multiphoton FLIM imaging of cellular metabolic activity in reconstructed human skin in response to UVA</i>	A-M. Pena
10:00 - 10:20	<i>MPT in mucous membranes</i>	M. Kaatz
10:20 - 10:40	<i>MPT CARS</i>	M. Weinigel
10:40 - 11:00	Coffee break	
11:00 - 11:20	<i>Effect of single layers in fluorescence lifetime imaging ophthalmology FLIO</i>	D. Schweitzer
11:20 - 11:40	<i>Evaluation of mitochondrial function of the retinal tissue with FLIO</i>	Y. Miura
11:40 - 12:00	<i>Two-photon cornea imaging</i>	A. Batista
12:00 - 12:20	<i>Quantitative Ultrafast FLIM and lifetime based multi-species analysis</i>	B. Kraemer
12:20 - 12:40	<i>Leica SP8 FALCON: A revolution in FLIM imaging</i>	G. Ossato
12:40 - 12:55	<i>Two-Photon Excitation Microscopy using fs Fiber Lasers</i>	M. Choi
12:55 - 13:15	<i>Femtosecond laser microscopy of stem cells</i>	A. König
13:15 - 14:00	Lunch break	
14:00 - 16:00	<i>Hands-on workshop and closing remarks</i>	K. König