

	Monday 5.12.		Tuesday 6.12.		Wednesday 7.12.		Thursday 8.12.		Friday 9.12.
08:00-8:30	Registration								
08:30 - 9:15	Welcome and Introduction to FCS (Don C. Lamb)	08:30 - 9:15	Pair-correlation (Enrico Gratton)	08:30 - 9:15	Orbital 3D Single Particle Tracking and Imaging (Enrico Gratton)	08:30 - 9:15	Instrumentation (Felix Koberling)	8:30 - 10:00	Laboratory training 3
9:15 - 10:00	The Photon Counting Histogram Analysis (Enrico Gratton)	9:15 - 10:00	PIE, spFRET and Burst Analysis (Don C. Lamb)	9:15 - 10:00	Plasmonic Fluorescence Enhancement and Zero-Mode Waveguides (Jérôme Wenger)	9:15 - 10:00	Cross-RICS and cross-N&B (Michelle Digman)		
10:00 - 10:30	Coffee break	10:00 - 10:30	Coffee break	10:00 - 10:30	Coffee break	10:00 - 10:30	Coffee break	10:00-10:30	Coffee Break
10:30 - 11:15	Image Correlation Methods (Paul Wiseman)	10:30 - 11:15	Advanced image correlation (PIE-FI, Arbitrary RICS and Spectral RICS) (Jelle Hendrix)	10:30 - 11:15	Multiparameter Fluorescence Detection: Burst Analysis and Image Spectroscopy I (Claus Seidel)	10:30 - 11:15	KICS - Advanced ICS (Paul Wiseman)	10:30 - 12:00	Laboratory training 4
11:15 - 11:45	Student Talks: Barbara Klepka, Michal Bialobrzewski	11:15 - 11:45	Student Talks: Aleksandra Bednarz, Mirjam Kümmerlin	11:15 - 11:45	Students Talks: Filip Filipović, Anna Sappller	11:15 - 11:45	Application 4 - Shrinking gate (sg)-FCS (Tim Schröder)		
11:45 - 12:45	Lunch	11:45 - 12:45	Lunch	11:45 - 12:45	Lunch	11:45 - 13:00	Lunch	12:00 - 13:15	Lunch
12:45 - 13:30	Raster Image Correlation Spectroscopy and The Number and Molecular Brightness Method (Michelle Digman)	12:45 - 13:30	The Phasor Approach to FLIM: Application to FRET Analysis (Michelle Digman)	12:45 - 13:30	Multiparameter Fluorescence Detection: Burst Analysis and Image Spectroscopy II (Claus Seidel)	13:00 - 13:45	Advanced Phasors: Spectral Phasors and AI (Enrico Gratton)	13:15 - 14:45	Laboratory training 5
13:30 - 14:00	Application 1 - <i>Mechanistic studies of viral RNA chaperones using single-molecule biophysics and hybrid structural biology methods</i> (Alexander Borodavka)	13:30 - 14:00	Application 2 - <i>Image correlation spectroscopy reveals the function of ion channel splicing</i> (Jelle Hendrix)	13:30 - 14:00	Application 3 - A Minimal Model of CD95 Signal Initiation Revealed by Advanced Super-Resolution and Multiparametric Fluorescence Microscopy (Claus Seidel)	14:00 - 15:30	Laboratory training 1	14:45 - 15:00	Closing Remarks
14:00 - 14:15	Coffee break	14:00 - 14:15	Coffee break	14:00 - 14:15	Coffee break	15:30 - 16:00	Coffee Break		
14:15 - 17:00	Computer based training on FCS and PCH	14:15 - 17:00	Computer based training on ICS and RICS	14:15 - 17:00	Computer based training on single-pair FRET	16:00 - 17:30	Laboratory training 2		
17:15 - 18:15	Special lecture - <i>Following transport phenomena by multimodal correlative micro-spectroscopy</i> (Evelyn Ploetz)	17:15 - 18:15	Special lecture - <i>Deciphering the retroviral life cycle one step at a time via multi-modal microscopy.</i> (Jelle Hendrix)	17:15 - 18:15	Special lecture - <i>Label-free detection of single proteins with their UV autofluorescence enhanced by nanophotonics</i> (Jérôme Wenger)				
18:15 - 20:00	Social Event Catering -			19:00 - 22:30	Informal Discussions and Idea Exchange				

Locations:

Room K00.015

Room K00.015

Special Lectures

Room: Willstätter Lecture Hall

Room: Baeyer Lecture Hall

"Pepe e Sale", Wilhelmstr. 15
near City Center

Room B2.079

Individual labs, BioSysM and
Building E.