



# Symposium on the Science of Light

## 27 – 29 March 2019

**Deadline**  
for registration  
26 March  
2019

# A G E N D A

Date	Time	Name	Affiliation	Talk
27 March	13:45 - 14:30	Andrew Clark	Institut Curie Paris	Dynamics and mechanics of collective cancer cell migration
	14:30 - 15:15	Louise Jawerth	MPI of Molecular Cell Biology and Genetics Dresden	Fibers and glasses: the complex behavior of protein condensates
	15:15 - 16:00	Break		
	16:00 - 16:45	Erdinc Sezgin	University of Oxford	Elucidating the nanoscale architecture of the plasma membrane with super-resolution spectroscopy
	16:45 - 17:30	Jona Kayser	University of Berkeley	Evolution in dense cellular populations
28 March	09:15 - 10:00	Malte Oppermann	EPFL Lausanne	Time-resolved broadband circular dichroism in the deep-UV: A new twist for structural biology in physiological media
	10:00 - 10:45	Leonhard Möckl	Stanford University	Joining single-molecule techniques and deep learning for the study of complex biological systems
	11:00 - 11:45	Katja Zieske	University of California	From molecules to tissues – emergent behavior of living systems across multiple lengths scales
	11:45 - 12:30	Hanieh Fattahi	MPI of Quantum Optics Garching	Femtosecond molecular fieldoscopy
	12:30 - 14:00	Break		
	14:00 - 14:45	Jasmin Meinecke	MPI of Quantum Optics Garching	Integrated photonics for quantum simulations and measurements
	14:45 - 15:30	Gregor Jotzu	MPI for the Structure and Dynamics of Matter Hamburg	Creating order in quantum matter through periodic driving - from ultracold fermions to warm superconductors
	15:30 - 16:15	Raffaele Santagati	University of Bristol	Experimentally learning the properties of quantum systems with machine learning and quantum simulators
29 March	09:00 - 09:45	Vivishek Sudhir	Massachusetts Institute of Technology	Quantum measurement and metrology with a mechanical oscillator
	09:45 - 10:30	Pascal Del'Haye	National Physical Laboratory	Symmetry breaking of counterpropagating light and microresonator frequency combs
	10:30 - 11:15	Jan Gieseler	Harvard University	Quantum engineering of levitated systems