Tuesday 30th July

15:00	Arrival at the Cumberland Lodge
15:40 - 16:00	Opening and welcome
16:00 - 17:00	Keynote talk Sophie Brasselet Nanoscale polarized imaging in 3D
17:00 - 17:30	Invited talk Peter Wiecha Differentiable nano-optics: AI frameworks beyond deep learning
17:30 - 18:00	Coffee break
18:00 - 18:20	Contributed talk Alfonso Nardi Mesoscopic transport of the second- harmonic light generated by a nonlinear complex medium
18:20 - 18:40	Contributed talk Filippo Pisano Peering into the brain through sub-wavelength optical windows
18:45 - 20:30	Dinner
20:30 - 21:30	Evening debate Nina Meinzer and Sylvain Gigan

Complex Nanophotonics Science Camp 2024

Wednesday 31th July

9:30 -9:50 Contributed talk Rakesh Arul Bridging the visible and mid-IR with nano-optics to watch ultrafast vibrational energy cascades 9:50 - 10:10 Contributed talk Amna Ammar Limits of Phase-Only Wavefront Shaping in Multimode Fibers 10:10 - 10:30 Contributed talk Tianrui Zhao Light focusing through dynamical scattering media with high-speed real-valued intensity transmission matrix 10:30 - 11:00 Coffee break 11:00 - 11:30 Invited talk Yaron Bromberg Wavefront Shaping of Entangled Photons for Quantum Communication and Quantum Key Distribution 11:30 - 11:50 Contributed talk Suraj Goel Multiplexing Indistinguishable Quantum Emmitters using Structured Light 11:50 - 12:10 Contributed talk Alasdair Milne In-situ bend compensation for holographic micro- endoscopy through flexible photonic lantern fibres 12:30 - 14:00 Lunch 14:00 - 15:00 Keynote talk Romain Quidant Levitated optomechanics on a chip 15:00 - 15:20 Contributed talk Sébastien Bidault Nanoscale Control over Magnetic Light-Matter Interactions 15:20 - 15:50 Coffee break 15:50 - 18:30 Poster pitches + poster session 1 18:45 - 20:30 Dinner 20:30 - 21:30 Evening debate Jess Wade and Riccardo Henriques	9:00 - 9:30	Invited talk Said Rodriguez There's plenty of energy in noise
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Thursd	av:	1 st A	ugi	ust

Thursday 1st August		17:40 - 18:10	Invited talk Silvia Pujals Single molecule localization microscopy methods for nanomedicine		
9:00 - 9:30	0 - 9:30 Invited talk Humeyra Caglayan All-optical switching in Si-compatible				
	epsilon-near-zero hyperbolic metamaterials	18:10 - 18:40	Invited talk		
9:30 -9:50	Contributed talk Roos de Boer Continuous-Wave Nonlinearity and Polarization Rotation in a Perovskite Cavity	18:45 - 20:30	Matthieu Bellec Photonics in laser-structured complex media Dinner		
9:50 - 10:10	Contributed talk Romain Rescanieres Open channels and dwell-time eigenstates in resonant disordered media	Friday 2 nd	Friday 2 nd August		
10:10 - 10:30	Contributed talk Marco Locarno In Vivo Plasmonic Enhancement of the Photocycle Dynamics and Fluorescence of Genetically	9:00 - 9:20	Contributed talk Jamie Guggenheim Photoacoustic memory imaging – a novel technique for non-invasive imaging deep behind scattering layers		
	Encoded Voltage Indicators	9:20 - 9:40	Contributed talk Yijie Zheng Neural Networks for dynamic transmission matrices recovery in optical fibre imaging		
10:30 - 11:00	Coffee break				
11:00 - 12:00	Keynote talk Carsten Rockstuhl Light scattering in nanophotonic systems	9:40 - 10:00	Contributed talk Jérôme A. Don Jayamanne How to characterize dynamic media in the multiple scattering regime with Photon Doppler Velocimetry? Contributed talk Ernesto Pini Resolving light transport in structurally anisotropic		
12:00 - 12:30	Invited talk Sarah Bohndiek From monitoring the body to monitoring	,			
	planet Earth - a journey from health science to climate science	10:00 - 10:20			
12:30 - 14:00	Lunch	10:20 10:50	media Coffee brook		
14:00 -16:00	Poster session 2	10:20 - 10:50	Coffee break		
16:00 - 16:30	Invited talk Emanuele Galiffi Wave scattering in time-varying media	10:50 - 11:10	Luis Alberto Razo Lopez Experimental observation of 3D strong electromagnetic wave localization in Vogel spirals		
16:30 - 16:50	Contributed talk David Globosits A Photonic Floquet Scattering Matrix for Wavefront-Shaping in Time-Periodic Media	11:10 - 11:30	Contributed talk Niklas Rocca Schwarz Polymer-based non-iridescent photonic pigments		
16:50 - 17:10	Contributed talk Jaime Echave-Sustaeta Photon pair creation in photonic time crystals	11:30 - 11:50	Contributed talk Kiarash Kasaian Label-free imaging and 3D single particle tracking in complex media via interferometric scattering microscopy (iSCAT)		
17:10 - 17:40	Coffee break	12:10 - 12:30	Closing remarks and best talk/poster awards		
		12:30 - 13:30	Lunch		
		14:00	Departure from Cumberland Lodge		