

# Schedule GLCC 2025

## Day 1 – Wednesday, March 26, 2025

11:00	Registration – Coffee / Tea	16:20-16:40 O-03	Leonard Fink University of Würzburg <i>New BTT-based star mesogens with broad and highly ordered mesophases bearing great potential for technical applications</i>	Chair	Prof. Dr. Kostas Daoulas
13:00-13:10	Opening Ceremony by Prof. Dr. Kai Zhang	16:40-16:50	Laudatio - Rachel Tuffin	10:40-11:10 I-07	Prof. Dr. Juan de Pablo New York University Liquid Crystals - From Simple Self-Assembled Constructs, to Functional and Autonomous Materials
Chair	Prof. Dr. Frank Giesselmann	16:50-17:30	Alfred-Saupe-Prize	11:10-11:40 I-08	Prof. Dr. Jan Lagerwall University of Luxembourg <i>Shear-induced paranematic ordering provides optimum nanoparticle individualization during ultrasonication</i>
13:10-13:40 I-01	Prof. Dr. Marcus Müller University of Göttingen <i>Process-directed self-assembly of block copolymers</i>	17:30-20:00	Poster Session      Board Meeting	11:40-12:00 O-06	Alexander Jarosik University of Magdeburg <i>Vibration Dynamics of Ferroelectric Fibers in Oscillating Electric Fields</i>
		20:00	End	12:00 – 14:00	Lunch
13:40-14:10 I-02	Prof. Dr. Andreas Menzel University of Magdeburg <i>Elements of liquid-crystalline order in biologically motivated systems and their consequences</i>	Chair	Prof. Dr. Jan Lagerwall	Chair	Prof. Dr. Andreas Menzel
		08:30-09:00 I-05	Prof. Dr. Simone Techert University of Göttingen <i>Ultrafast Time-resolved X-ray Studies of Liquid Crystals</i>	14:00-14:30 I-08	Prof. Dr. Kostas Daoulas Max Planck Institute for Polymer Research <i>Mesoscopic Modeling of Sanidic Mesophases in Polymers</i>
14:10-14:40 I-03	Dr. Rocco Fortte Merck <i>Synthesis of a Tricyclic Hydrocarbon for Nematic Liquid Crystal Mixtures</i>	09:00-9:30 I-06	Dr. Christian Bahr Max Planck Institute for Dynamics and Self-Organization <i>Lattice Boltzmann studies of nematic flow in microfluidic channels and self-propelling droplets</i>	14:30-15:00 I-09	Prof. Dr. Ivan I. Smalyukh University of Colorado <i>Topological phases and cosmology with nematic vortex lattices</i>
14:40-15:00 O-01	Christian Anders Martin Luther University Halle-Wittenberg <i>Mathematical supported molecular design and synthesis of highly branched carbosilane-based X-shaped bolopolyphiles</i>	9:30-9:50 O-04	Chung-Hao Chen University of Manchester <i>Electro-optical devices based on Gel-glass dispersed liquid crystals and polymer-modified liquid crystals</i>	15:00-15:20 O-07	Selina Itzigebl University of Stuttgart <i>From Lyotropic Phases to Catalysts: Influence of Catalytically Active Metal Ions on Hexagonal Liquid Crystals</i>
15:00-15:30	Coffee / Tea			15:20-15:50	Coffee / Tea
Chair	Prof. Dr. Marcus Müller			15:50 -16:10	Prof. Dr. Rudolf Zentel & Dr. Johanna Bruckner Gedenkansprache / Memorial Address
15:30-16:00 I-04	Prof. Dr. Slobodan Žumer, University of Ljubljana <i>Active nematics in spherical confinement</i>	9:50-10:10 O-05	Dr. Franz Robert Gleuwitz University of Göttingen <i>On the seesaw game with lignin and an oriented cellulosic lyotropic mesophase</i>		
16:00-16:20 O-02	Dr. Tadej Emeršič University of Luxembourg <i>Acoustically driven dynamics of nematic tactoids</i>	10:10-10:40	Coffee / Tea		

## Day 2 – Thursday, March 27, 2025

- Changes in the schedule are always possible-

Chair	PD Dr. Markus Euring	I-12	University of Göttingen	Dr. Hajnalka Nádas: Magnetic switching dynamics of self-assembled colloidal structures in a multiferroic liquid crystal
16:10-16:30	Prof. Dr. Kamendra P Sharma		<i>Shaping the Future of Liquid Crystals: Insights into Mesogenic Radical Polymerization</i>	
O-08	Indian Institute of Technology Bombay			Tejal Nirgude: Photo responsive Oxadiazole-Derived Liquid Crystalline Polycatenars
	<i>Nematic Liquid Crystals for Ultra-sensitive Protein Detection</i>	11:20-11:35	Sönke Wengler Rust	
16:30 -16:50	Michael Herbst	O-12	Anton Paar Germany GmbH	Tom Ott: Mixtures of ferro- and paraelectric nematic liquid crystals
O-09	University of Stuttgart		<i>RheoSAXS analysis using SAXSpoint 5.0</i>	
	<i>Neutron scattering studies on nematic hydrogels</i>	11:35	Young Research Award	Anna Savchenko: Effect of Cell Thickness on the Alignment of Ferroelectric Nematic Phases
16:50-19:00	Poster Session	12:00 – 13:00	Closing	Sara Simonovska: Combining Mesogens and MR-TADF Emission
19:00	Conference Dinner			

### Day 3, Friday, March 28, 2025

### Poster Session

Chair	Prof. Dr. Philipp Vana	Shaohuang Chen: Biopolymer nanofibril–crystal complex with tunable interference colours enabled by crystallization-induced alignment	Damyana Takeva: Addition of Chiral Dopants to Liquid Crystalline Chitin Nanocrystal Suspensions
09:00-09:30	Prof. Dr. Francesca Serra	Fathimath Nafla Cholamukath: Designing Chiral Star Mesogens: Investigating Their Influence on Liquid Crystal Behavior and Optical Properties	Xiangyin Tan: Aging Dynamics of Mesoporous Silica via SAXS: Comparing Liquid Crystal Templating Methods
I-10	University of Southern Denmark		Zengbin Wang: Gel-Film Heterostructure Accelerates Water Evaporation in Confined Nanocrystal Systems
	<i>The importance of boundaries: photo-alignment to control the trajectory of disclination lines and the tilt angle in nematic liquid crystals</i>	Prof. Dr. Alexey Eremin: Polarity and Charge Transport in Liquid Crystals Formed by Self-Assembled Umbrella-Shaped Subphthalocyanine Mesogens: Doping vs. Covalent Binding of Fullerenes	Yang Xiao: Investigation of pitch evolution and kinetic arrest in lyotropic liquid crystalline xanthan solutions
09:30-10:00	Prof. Dr. Oleg Lavrentovich		Maha Zid: Critical behavior in nematic liquid crystals
I-11	Kent State University	Alexander Jarosik: Analysis of Nanostructured Ferromagnetic Nematics Using X-ray Scattering and Transmission Electron Microscopy	
	<i>Deformed states of ferroelectric nematics</i>	Alexander Jarosik: Dynamics of Swimming Algae in Soap Films	
10:00-10:20	Prof. Dr. Matthias Lehmann	Dr. Christoph Klopp: Magnetic dynamics in ferromagnetic liquid crystal emulsions	
O-11	University of Würzburg		
	<i>High Molecular Biaxiality of Roof-shaped Nematogens – Approaching the Discovery of a Real Thermotropic Biaxial Nematic Phase</i>		
10:20-10:50	Coffee / Tea		
Chair	Dr. Johanna Bruckner & Dr. Melanie Klasen-Memmer		
10:50-11:20	Prof. Dr. Philipp Vana		

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