






LIBER Symposium 2025 (15-16 May)





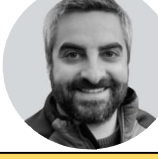
Scandic Marina Congress Centre

Katajanokanlaituri 6, 00160 Helsinki

Day 1: Thursday 15.5.2025

8:15 Registration & Breakfast (45 min)			
Time	Speaker	Institute	Title of presentation
9:00	Markus Linder	LIBER director	Welcome opening
<i>Session 1. Chair: Mauri Kostiainen</i>			
9:15	André Studart 	ETH, Switzerland	Directed Evolution of Material-Producing Bacteria
10:15	Angela Steinauer 	EPFL, Switzerland	Engineering Next-Generation Protein Nanocarriers for RNA Delivery
11:15 Short break (20 min)			
<i>Session 2. Chair: Jaakko Timonen</i>			
11:35	Raymond Goldstein 	University of Cambridge, UK	Phototactic Decision-Making by Algae
12:35 Lunch & poster (85 min)			
<i>Session 3. Chair: Arri Priimägi</i>			
14:00	Svetlana Santer 	University of Potsdam, Germany	Coupling of Light Into Mechanical Work for Generating Local Fluid Flows
15:00	Shervin Bagheri 	KTH, Sweden	Using Fluid Flows to Shape, Organize, and Control Surfaces and Materials
16:00 Group photo, Poster session & Coffee			
19:00 Symposium Buffet dinner			

Day 2: Friday 16.5.2025

8:15		Coffee and breakfast (45 min)	
Time	Speaker	Institute	Title of presentation
Session 1. Chair: Matilda Backholm			
9:00	Derek Woolfson 	University of Bristol, UK	From Peptides to Proteins to Functional Materials by <i>de novo</i> Design
10:00	Mazi Jalaal 	University of Amsterdam, The Netherlands	Light Production & Adaptive Morphodynamics in an Active Biological System
11:00		Short break (20 min)	
Session 2. Chair: Maria Sammalkorpi			
11:20	Uwe Thiele 	University of Münster, Germany	Gradient-Dynamics Approach to Mesoscopic Hydrodynamics - from Adaptive to Active Wetting
12:20		Lunch & posters (70 min)	
Session 3. Chair: Robin Ras			
13:30	Cécile Bidan 	Max Planck Institute of Colloids and Interfaces, Germany	A Materials Science Perspective on Bacterial Biofilms
14:30	Giorgio Volpe 	University Colleague London, UK	Steering Self-Organization through Confinement in Systems of Active Colloids and Droplets
15:30		Poster awards, Closing remarks & coffee	

Principal Investigators of the LIBER Centre of Excellence

							
Markus Linder	Jaakko Timonen	Maria Sammalkorpi	Olli Ikkala	Mauri Kostiainen	Robin Ras	Arri Priimägi	Merja Penttilä
Biomolecular Materials	Active Matter	Soft Matter Modelling	Molecular Materials	Biohybrid Materials	Soft Matter Wetting	Smart Photonic Materials	Synthetic Biology