



## NKS Makro Annual Meeting: *Assembling at the Interface: Bridging Soft Matter and Biological Sciences*

7-8th of May 2025, Voksenåsen hotell, Oslo

<https://voksenaasen.no/>



### Schedule Day 1

Time	Lecture	Speaker
1230 - 1330	Lunch at hotel restaurant	
1345	Welcome	
1350 - 1425	Enzymatic degradation of synthetic polymers: fake news or great news?	Gustav Vaaje-Kolstad (invited)
1425 - 1450	Transient Permeabilization of Lipid Membranes by Antimicrobial Peptides	Vladimir Rosenov Koynarev
1450 - 1525	Protein-Carbohydrate Interactions in Infection Biology and Cancer	Ute Krengel (invited)
1525 - 1550	Break	
1550 - 1625	Glimpses of protein-(bio)polymer interactions	Gaston Courtade (invited)
1625 - 1650	De novo design of enzymes degrading polymers for plastic recycling	Evamaria Petersen
1650 - 1705	Why purity matters? Showcasing the new standard in quality of PEG2000 for demanding applications	Zuzanna Samol
1705 - 1730	Tuning Surface Interactions for Encapsulation of Functionalized Iron Oxide Nanoparticles in Chitosan Nanocarriers	Mahnoor Kahn
1730 - 1755	Spontaneous formation of ultra-small vesicles in the mixture of amphiphilic drug and phospholipids	Vahid Motlaq
1900	Dinner at hotel restaurant	

## Schedule Day 2

0800 - 0900	Breakfast	
0930 - 1005	Lipid self-assembly at surfaces and interfaces: X-ray and neutron scattering insights for functional bio-interfaces	Stefan Salentinig (invited)
1005 - 1040	LL-37 and Amyloid- $\beta$ Complexation: Investigating Antiviral Activity and the Neuroprotective Effects in Alzheimer's Disease	Josefine Eilsø Nielsen (invited)
1040 - 1105	Beyond the core-shell model for surfactants with molecular simulations	Henrique Musseli Cezar
1105 - 1125	Break	
1125 - 1150	Polymer-coated liposomes. From basic research to clinical investigation.	Marianne Hiorth
1150 - 1215	Self-assembling of non-conventional surfactants by multi-scale and data-driven approaches	Michele Cascella
1230 - 1330	Lunch	
Departure		