



## NKS MAKRO Symposium for Young Researchers: Polymers & Soft Matter

14-15 February 2018

Lucy Smiths hus (Administration building, Blindern Campus, Oslo)

10<sup>th</sup> floor: Hannah Ryggen Rommet (1004)

### February 14th

#### Day 1:

**12:15** Coffee and light lunch

**13:00** Reidar Lund: *Welcome*

**13:10** Finn Knut Hansen: a brief history of NKS Makro

**13:25** Marit Sletmoen (NTNU): *Studies of glycan-based interactions using sensitive force probes and glycan microarrays (20 min + 5 min questions)*

**13:50** Victoria Ariel Bjørnstad (UiO): *Liposomes as a model system for the study of surface active peptides (20 min + 5 min questions)*

**14:15** Josefine Eilsøe Nielsen (UiO): *Probing the Interaction between Antimicrobial Peptides and Model Biomembranes using Small-Angle Scattering Technique (20 min + 5 min questions)*

**14:40** Ingrid Vikøren Mo (NTNU): *Polysaccharide conjugates: End modification of polysaccharides to form block copolymers for novel biomaterials (20 min + 5 min questions)*

**15:05** Coffee Break and cake

**15:35** Reidar Lund (UiO): *Crystallisation & Self-assembly: from basic physical chemistry to novel nanostructures (20 min + 5 min questions)*

**16:00** Marianne Hiorth (UiO): *The potential of nanoparticles as a salivary substitute (20 min + 5 min questions)*

**16:25** Enrico Riccardi (NTNU): *Kinetics of rare events: approaches and a new developed software, PyRETIS (20 min + 5 min questions)*

**16:50 Elevator pitches** ( 5-10 min presentations + questions)

- Ola Aarøen (NTNU) *A Multidisciplinary Approach to Characterize Coalescence in Petroemulsions*
- Amalie Solberg (NTNU) *Conjugated Alginates*
- Mikkel Killingmoe Christensen (UiO) *Polymersomes based on block copeptides*
- Henrik Vinter Sørensen (UiO) *A surface active enzyme and colonization factor investigated by x-ray and neutron techniques*

**17:30 What is next for NKS-Makro** ( Discussions)

**17:45 End of day 1**

**18:00 Dinner at Gamle Major, Majorstuen.**

**February 15th**

**Day 2:**

**09:15 Morten Stornes** (NTNU): *Polyelectrolyte-nanoparticle complexation studied by Monte Carlo simulations* (20 min + 5 min questions)

**09:40 Matthias Amann** (UiO): *Formation Kinetics of Poly Ion Complexes Studied by Time-Resolved SAXS* (20 min + 5 min questions)

**10:05 Sulalit Bandyopadhyay** (NTNU): *Mapping volume phase properties of multiresponsive nanogels* (20 min + 5 min questions)

**10:30 Coffee Break**

**11:00 Synne Myhre** (UiO): *Interactions between anionic surfactants and polymeric micelles: stability and solubilisation kinetics* (20 min + 5 min questions)

**11:25 Karthik Raghunathan** (NTNU): *Multifunctional Hydrogel – Synthesis, optimization, functionalization and application.* (20 min + 5 min questions)

**11:50 Closing remarks by Marit Sletmoen**

**12:00 Light lunch and coffee**