



Vienna Soft Matter Day

21st of November 2025

BOKU University, Ilse Wallentin Haus

Peter Jordan Strasse 82, 1190 Wien

08:30 - 09:00: Registration

08:50 - 09:00: Welcome

09:00 - 09:20: Marija Krstic (ISTA) – *The physical principles behind directional assembly of polymers*

09:20 - 09:40: Zeng Wenyi (Uni Wien) - *MOF-thermogel hybrids: a versatile platform for combinational chemotherapy*

09:40 - 10:00: Jakob Schindewolf (TU Wien) - *Dynamics of a phase separator nucleating a self-straining cytoskeletal network*

10:00 - 10:20: Flash talks

10:20 - 11:50: Coffee + poster session

11:50 - 12:10: Pierluigi Bilotto (TU Wien) - *Mechanics of biointerfaces*

12:10 - 12:30: Luis Gonzalez (BOKU) - *Measuring colloidal and molecular forces with AFM: salt and solvent influence on hydrophobic interactions*

12:30 - 12:40: Group photo

12:40 - 13:40: Lunch

13:40 - 14:00: Terpsichori Alexiou (Uni Wien) – *Ion-dependent regulation of the conformation of DNA oligo-catenanes*

14:00 - 14:20: Tanja Denise Singewald (JKU Linz) - *Understanding fracture in physically crosslinked hydrogels*

14:20 - 14:40: Andreas Ehrmann (ISTA) – *Designing bistable nanostructures for target behavior*

14:40 - 15:00: Giacomo Chizzola (BOKU) - *Synthesis and flow behaviour of polymer-grafted nanopores*

15:00 - 16:30: Coffee + poster session

16:30 - 16:50: Reyhaneh Afghahi Farimani (Uni Wien) - *Coarse-graining of slit-confined star polymers in solvents of varying quality*

16:50 - 17:10: Zuzana Dunajova (ISTA) - *Substrate heterogeneity promotes cancer cell dissemination through interface roughening*

17:10 - 17:30: Closing remarks

17:30 - 19:00: Discussions, wine and cheese