

A01	Effects of topological constraints in polymer melts on crystallization and structure formation	Thurn-Albrecht, Saalwächter
A03	Crystallization and cooperativity in dynamic supramolecular polymers	Binder
A06	NMR Investigations of the Self-Organization and Dynamics of Amyloid Protein Fibrils	Huster
A07	Intra- and intermolecular structure formation in the presence of specific interactions	Paul
A08	Organization and interactions of eye-lens crystallins: native states and cataract formation	Saalwächter, Balbach
A09	Structure formation and aggregation of solvated peptides and polymers in the presence of ions	Sebastiani
A12	Assembly of PTH/polymer hybrid-molecules	Balbach, Binder
B01	Aggregation and Self-Assembly of Amyloid Systems and Functionalized Peptides near Interfaces - Towards Molecular Mechanisms and Smart Materials	Abel
B03	Substrate induced molecular order and nucleation in polymer thin films	Thurn-Albrecht
B04	Nanopatterns of macromolecules	Janke
B07	Semicrystalline Homopolymers and Block Copolymers at the Air/Water Interface and in Langmuir-Blodgett Films on Solid Supports	Kreßler
B08	Refined Infrared Spectroscopy to Study Molecular Orientation and Order in Heterogeneous Polymer Systems	Kremer
B10	Interactions of single polymer chains and Amyloid fibrils in a thermophoretic trap	Cichos
B12	Mechanisms of early amyloid formation and the confining influence of macromolecular crowding	Ott
B14	Structure formation in comb-like polymers with rigid backbones under external constraints: Influence of shear fields and interfaces	Beiner
B15	Dynamics and association in individualized macromolecules	Tress
B16	Crystallization of polymer chains under anisotropic confinement in liquid crystals	Mendes Ferreira
B17	Force-induced α - β transitions in coiled coil structures	Blank
B18	Molecular ion deposition for the generation of peptide and polymer surface layers	Warneke
Z01	Synthesis of Labeled and Unlabeled Peptides with Difficult Sequences in Large Scales	Rothmund

11. Miniworkshop in Halle (Saale)

Hotel Dorint – Charlottenhof
06.10.2022

Contact

Office SFB/TRR 102

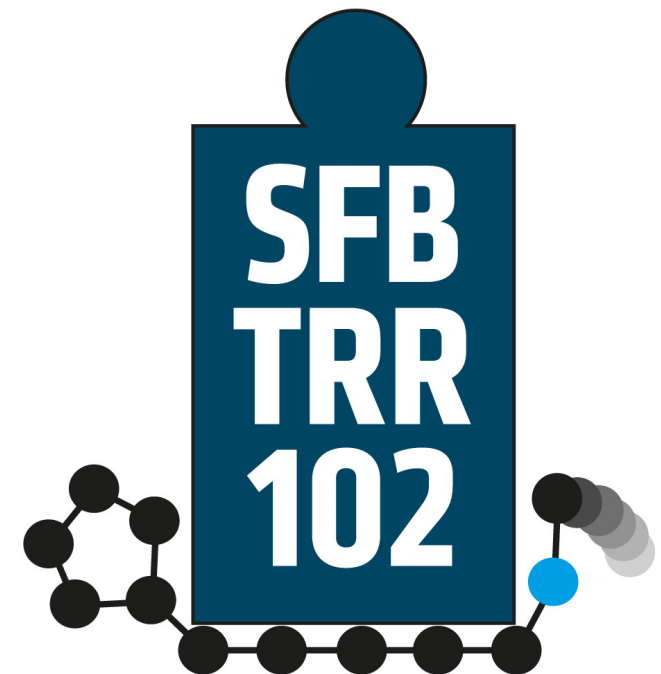
Imke Arnold, Nicole Haak und Dr. Ann-Kristin Flieger
Martin-Luther-Universität Halle-Wittenberg
Naturwissenschaftliche Fakultät II
Institut für Physik
06099 Halle

Tel.: +49-345-5525-342

web: <http://www.natfak2.uni-halle.de/sfbtrr102>

web: <http://www.natfak2.uni-halle.de/sfb-polymers-miniworkshop11/>

email: SFB-TRR-102-office@physik.uni-halle.de



11. Miniworkshop Halle (Saale)

06.10.2022

Location:

Dorint – Charlottenhof
Halle (Saale)
Dorotheenstraße 12
06108 Halle (Saale)

Programme:

Time	Event
9:00 am	Welcome/Speakers report + update on MacroStruct 23 (conference organized by doctoral students) + short summary summer school (Room Moritzburg)
9:45 am	Short introduction to posters I (Room Moritzburg)
10:15 am	Poster Session I (Room Moritzburg) (with coffee and snacks in the foyer)
12:00 pm	Lunch (Restaurant)
1:00 pm	Short introduction to posters II (Room Moritzburg)
1:30 pm	Poster Session II (Room Moritzburg) (with coffee and snacks in the foyer)
3:00 pm	General Meeting (Room Giebichenstein)
3:00 pm	iRTG Meeting (Room Moritzburg)

Poster session one (10:15 – 12:00 pm)

Amyloids and Hybrids	Crystallization
Alexander Korn, Holger A. Scheidt, Juliane Adler, Benedikt Schwarze, Daniel Huster (A06) <i>Ongoing and future studies - peptide-vesicle-interactions and more</i>	Matthias Rohmer, Özgün Ucak, Wolfgang H. Binder (A03) <i>Secondary structure, assembly and cooperativity in dynamic supramolecular polymers</i>
Thomas Kunze, Christoph Dressler, Svetlana Pylaeva, Daniel Sebastiani (A09) <i>Primary nucleation mechanism of short amyloid peptides from computer simulation</i>	Stefan Schnabel, Fabio Müller, Maximilian Conradi, Henrik Christiansen, Wolfhard Janke (B04) <i>Scaling of hard sphere-polymers and collapse dynamics of AlaN</i>
André Paschold, Niclas Starke, Wolfgang H. Binder (A12) <i>Assembly of modified peptides and polymer hybrid molecules</i>	Rene Sattler, Varun Danke, Heiko Huth, Mario Beiner (B14) <i>Polyamides with long methylene sequences: Influence of sequence length on structure and crystallization kinetics</i>
Twinkle Bhatia, Jana Wägele, Silvia De Sio, Maria Ott (B12) <i>Fibrillation in macromolecular crowded environment</i>	Wing Kit Or, Martin Tress (B15) <i>Polymer crystallization in nanoscopic sample sizes by dielectric spectroscopy</i>
Sebastian Kawa, Markus Rohdenburg, Ziyang Warneke, Kay Antonio Behrend, Harald Knorke, Jonas Warneke (B18) <i>Molecular ion deposition for the generation of peptide and polymer surface layers</i>	Anika Wurl, Tiago Mendes Ferreira (B16) <i>Crystallization of polymer chains under anisotropic confinement in liquid crystals</i>

Poster session two (1:30 – 3:00 pm)

Amyloids and Hybrids	Crystallization
Christian Lauer, Timur Shakirov, Wolfgang Paul (A07) <i>Intra- and intermolecular structure formation in the presence of specific interactions</i>	Marthinus van Niekerk, Muhammad Tariq, Oleksandr Dolynchuk, Thomas Thurn-Albrecht (B03) <i>Effect of substrate interaction on crystallization kinetics and crystal orientation</i>
Christian Laube, Torsten John, Lisandra L. Martin, Herre Jelger Risselada, Bernd Abel (B01) <i>Aggregation and self-assembly of amyloidogenic peptides at functionalized and nanostructured interfaces</i>	Nazmul Hasan, Karsten Busse and Jörg Kreßler (B07) <i>Structure formation of i-PMAA at the air-water interface and in thin films</i>
Anna-Maria Tsigoni, Zeynep Atris, Melis Göktas, Ana Vila Verde, Kerstin G. Blank (B17) <i>Force-induced α-β transitions in coiled coil (CC) structures</i>	Wycliffe Kipnusu, Evgeny Zhuravlev, Christoph Schick, Friedrich Kremer (B08) <i>Initial molecular interactions during glassy state equilibration and nucleation in Polyethylene terephthalate (PET) as monitored by nanocalorimetry and FTIR spectroscopy</i>
Stephan Sydow, Tobias Thalheim, Jörg Schnauß and Frank Cichos (B10) <i>F-Actin photo-fragmentation as an artificial secondary nucleation model</i>	Tonghua Liu, Albrecht Petzold, Kay Saalwächter, Thomas Thurn-Albrecht (A01) <i>The effect of entanglement density of semi-crystalline polymer on the stress-strain curve</i>
	Yu Qiang, Mohd Afiq Bin Anuar, Albrecht Petzold, Kay Saalwächter, Thomas Thurn-Albrecht (A01) <i>Semicrystalline morphology and intracrystalline chain dynamics in different polyesters</i>