

TAU – UP Workshop on Nano-Bio-Physics

17. Nov. 2017



University of Potsdam
Institute of Chemistry –
Physical Chemistry /
Analytical Chemistry

Campus Golm
Building 29, Room 0.25

08:45 *Welcome & Opening Remarks*

Structural Biology and Biophysics

09:00 Petra Wendler, UP, Biochemistry

09:30 Amir Goldbourt, TAU

10:00 Marcus Michaelis, UP, Analytical Chemistry

10:30 Micha Fridman, TAU

11:00 *Coffee Break*

Fluorescence and Super-resolution Microscopy

11:30 Carsten Hille, UP, Physical Chemistry

12:00 Yuval Ebenstein, TAU

12:30 Yael Roichman, TAU

13:00 *Lunch*

Polymers and Materials

14:30 Ilko Bald, UP, Physical Chemistry

15:00 Claudia Pacholski, UP, Physical Chemistry

15:30 Gil Markovich, TAU

16:00 Roland Hass, UP, Phys.Chem. / innoFSPEC

16:30 *Coffee Break*

17:00 Roey Amir, TAU

17:30 Helmut Schlaad, UP, Polymer Chemistry

18:00 Andreas Taubert, UP, Inorganic Chemistry

19:00 *Dinner and Social Evening at "Mövenpick"*

University of Potsdam, Institute of Chemistry

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08:45 *Welcome & Opening Remarks*

Structural Biology and Biophysics

09:00 Petra Wendler, “Single particle cryo EM of dynamic macromolecular machines”

09:30 Amir Goldbourn, “Dynamics and structure of biomolecular complexes studied by Magic-angle spinning NMR”

10:00 Marcus Michaelis, “Recognition of cello-oligomers by carbohydrate binding modules in solution”

10:30 Micha Fridman, “Small-Molecule Mediated Inhibition of Microbial Cellular Processes”

11:00 *Coffee Break*

Fluorescence and Super-resolution Microscopy

11:30 Carsten Hille, “Advanced fluorescence microscopy for studying cell physiology”

12:00 Yuval Ebenstein, “Single molecule detection of epigenetic marks and DNA damages”

12:30 Yael Roichman, “Imaging and single particle tracking to study biological and soft materials”

13:00 *Lunch*

Polymers and Materials

14:30 Ilko Bald, “DNA nanostructures as platforms for optical spectroscopy”

15:00 Claudia Pacholski, “Bottom-up strategies for fabricating optical sensors”

15:30 Gil Markovich, “Amplification of chirality in the enantioselective synthesis of intrinsically chiral terbium phosphate nanocrystals”

16:00 Roland Hass, “Applied Photon Density Wave spectroscopy”

16:30 *Coffee Break*

17:00 Roey Amir, “The power of molecular precision in studying enzymatic disassembly of polymeric micelles”

17:30 Helmut Schlaad, “Smart polymers from amino acids and sugars”

18:00 Andreas Taubert, “Tetrahalidometallate Ionic Liquid Precursors for Inorganic Nanomaterials Synthesis”

19:00 *Dinner and Social Evening at “Mövenpick”*