DFG Graduiertenkolleg/ Research Training Group 1947

Biochemical, Biophysical, and Biomedical Effects of Reactive Oxygen and Nitrogen Species on Biological Membranes

Annual Workshop 2019
September 30st / October 1st
Venue: Pommersches Landesmuseum
Rakower Str. 9, 17489 Greifswald

Monday, September 30st

10:00 — 10:20 Registration

10:20 — 11:45 **Peter Pohl** (Johannes Kepler University Linz)
keynote talk "Membrane water transport"

11:45 — 13:00 *Lunch break and poster session*

13:00 — 13:20 **Clara Ortegón Salas (project A1)**
"Receptor-induced redox signaling relay — from signal to effector"

13:20 — 13:40 **Anika Wilden (project A3)**
"Neutrophils, Regulators of immune Response or damage causing cells?"

13:40 — 14:00 **Florian Gellert (project B1)**
"Effect of ROS on supramolecular structure of model membranes"

14:00 — 14:20 *Coffee break and poster session*

14:20 — 14:40 **Karuppasamy Dharmaraj (project B2)**
"The acidity constants of menaquinones (vitamin K_2) in DMPC monolayers on mercury"

14:40 — 15:00 **Mehdi Ravandeh (project B4)**
"Effect of reactive species generated by cold atmospheric plasma on solid supported lipid bilayers"

Tuesday, October 1st

10:00 — 11:20 **Christopher H. Lillig**
"Comparative and Molecular Modeling"

11:20 — 11:40 **Christina Schaal (project A4)**
"Aquaporin-8 Expression Affects H_2O_2 Permeability and Cytokine-Mediated Toxicity in Insulin-Producing Cells"

11:40 — 13:00 *Lunch break and poster session*

13:00 — 13:20 **Yesaswini Komaragiri (project B5)**
"Oxidative stress induces different mechanical responses in adherent and suspension cells"

13:20 — 13:40 **Sanjai Karanth (project B6)**
"Nitric oxide induced structural changes of integrin αIIbβ3 in DMPC/PG nanodiscs"

13:40 — 14:00 **Gayatri Jagirdar (project C2)**
"Impact of Tafazzin knock-out on mitochondrial and cellular functions"

14:00 — 14:20 *Coffee break and poster session*

14:20 — 14:40 **Marcel Welle (project C3)**
"Effect of NO on activity of root plasma membrane proteins, redox state and lipid composition under hypoxic conditions"

14:40 — 15:00 **Daniel Troitzsch (project C4)**
"Work horse strain Clostridioides difficile 630Δerm does not know about its anaerobic lifestyle"