



RTG 1947 “Annual Workshop”
Program October 6th — October 7th 2016

Venue: Pommersches Landesmuseum
Rakower Str. 9, 17489 Greifswald

October 6th

- 09:00 — 10:15 *Keynote speech:* Prof. Dr. **Daniel Mandler**
(The Hebrew University of Jerusalem)
“The World of Coatings”
- 10:15 — 10:30 Coffee break & Networking
- 10:30 — 11:45 *Keynote speech:* Dr. **Markus Schwarzländer**
(University of Bonn)
“Regulating Mitochondrial Energy Physiology in Plants”

Presentations by the graduate students

- 11:45 — 12:05 **Daniel Trnka** (project A1)
“How does mitochondrial Grx2 protect from doxorubicin toxicity?”
- 12:05 — 12:25 **Lisa Morlock** (project A2)
“Influence of dioxygen on the selectivity and activity of membrane-bound P450 monooxygenase catalyzed oxidation reactions”
- 12:25 — 13:25 Lunch break
- 13:25 — 13:45 **Preshit Wagh** (project A3)
“The role of mitophagy in acute pancreatitis”
- 13:45 — 14:05 **Anna Laporte** (project A4)
“Analysis of H₂O₂ permeability of different cellular membranes in insulin-secreting cells by membrane-bound HyPer variants”
- 14:05 — 14:25 **Renko Kensbock** (project B1)
“Influence of electrostatic interactions on cardiolipin monolayers”
- 14:25 — 14:45 **Nico Heise** (project B2)
“The effect of ROS on membrane properties of liposomes made of monounsaturated Cardiolipin”
- 14:45 — 15:05 Coffee break & Networking
- 15:05 — 16:20 *Keynote speech:* Prof. Dr. **Katja Becker**
(University of Giessen)
“Redox regulation in malaria parasites”

Social Event October 6th

- 16:30 — 18:00 Guided tour Pommersches Landesmuseum
Meeting point: the museum's foyer, two groups with max. 40 participants
- 19:00 Conference Dinner at Brasserie Hermann
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October 7th

09:00 — 10:15 *Keynote speech:* Prof. Dr. **Andreas Meyer**
(University of Bonn)
“Cell Physiology and Metabolism of Glutathione in Plants”

10:15 — 10:30 Coffee break & Networking

10:30 — 11:45 *Keynote speech:* Prof. Dr. **Michael Schlame**
(NYU School of Medicine)
*“Aberrant Cardiolipin Metabolism in
Barth Syndrome”*

Presentations by the graduate students

11:45 — 12:05 **Marina Sturm** (project B3)
“The 2D properties of Cardiolipin with regard to different pH values”

12:05 — 12:25 **Marcel Imber** (project C1)
*“Redox regulation of the glycolytic enzyme GAPDH under ROS stress in
Corynebacterium diphtheriae and Staphylococcus aureus”*

12:25 — 13:25 Lunch break

13:25 — 13:45 **Dana Thal** (project B4)
*“Exploration of an electrochemical assay to
investigate radical scavenging activity of plant compounds”*

13:45 — 14:05 **Sarah Gürtler** (project C2)
“Effect of Tafazzin-knockout on mitochondrial and cellular Characteristics”

14:05 — 14:25 **Yasemin Tasdemir** (project C3)
“S-nitrosylated proteins at the plasma membrane of tomato root cells”

Short break

RTG internal part

14:30 — 15:30 The RTG's prospects (*for all RTG Members*)

15:30 — 15:45 Coffee break & Networking

15:45 — 16:10 Workshop Evaluation & PhD representative election
(*for RTG & Associated PhD students*)