



15th DocDay

Friday, 5th of February 2016, Graz
Graz University of Technology Stremayrgasse 9, HS H

Organizing Committee

Eveline Brodl, Ariane Fankl, Martin Kavcsek,
Daniela Liebelt, Nicole Pabi, Florian Sarkleti

Program

09:00 – 09:15 **Welcome and opening remarks**

Vice-Rector for Human Resources Management and Gender Equality

Ao.Univ.-Prof. Dr. Renate Dworzak (University of Graz)

Session 1

Chair: Nicole Pabi

09:20 – 10:05 **Plenary Lecture: Thomas Becker**

Mechanisms of protein biogenesis in the mitochondrial outer membrane

10:05 – 10:25 **Oral Presentation 1: Martina Korber**

Regulation of Steryl Ester Metabolism in the Yeast *Saccharomyces cerevisiae*

10:25 – 10:45 **Oral Presentation 2: Dina Hofer**

Pex16-mediated peroxisome de novo synthesis is required for white adipocyte lipid and energy homeostasis

10:45 - 11:15 Coffee break and poster session

Session 2

Chair: Florian Sarkletti

- 11:15 – 11:40 **Alumni speaker: Harald Hofbauer**
An amphipathic helix motif of Opi1 enables fine-tuned ER membrane sensing to control lipid metabolism in yeast
- 11:40 – 12:00 **Oral Presentation 3: Andreas Aufschnaiter**
Calcineurin-dependent cytoprotection of Pep4p in a yeast model of Parkinson's disease
- 12:00 – 12:20 **Oral Presentation 4: Marini Damanik**
Oxidation of triglycerides during heating of foods
- 12:20 – 12:40 **Oral Presentation 5: Peter Augustin**
Biochemical investigations on the human dimethylglycine dehydrogenase
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- 12:40 – 13:45 Lunch break and poster session
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Session 3

Chair: Martin Kavsek

- 13:45 – 14:30 **Plenary Lecture: Roman Jerala**
Structural synthetic biology for the design of new modular protein folds
- 14:30 – 14:50 **Oral Presentation 6: Matthias Engleder**
Structure-based reaction mechanism of oleate hydratase from *Elizabethkingia meningoseptica*
- 14:50 – 15:10 **Oral Presentation 7: Chanakan Tongsook**
Structure and mechanism of the N,N-8-amino-8-demethyl-D-riboflavin dimethyltransferase (RosA) from *Streptomyces davawensis*
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- 15:10 - 15:30 Coffee break and poster session
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Session 4

Chair: Eveline Brodl

15:30 – 15:55 **Plenary Lecture: Christof Wachter**

Studies finished - Seeking now for a career in the pharmaceutical industry?

15:55 – 16:15 **Oral Presentation 8: Johannes Niederhauser**

Controlled burning: Towards the rational redesign of O₂ and nonheme Fe(II) enzymes

16:15 – 16:35 **Oral Presentation 9: Lina Riegler-Berket**

Investigation of Cap Architectures in Monoacylglycerol Lipases

16:35 – 16:55 **Oral Presentation 10: Verena Kohler**

Polycistronic Expression and Structural Characterization of a Gram-positive Type IV Secretion System

16:55 – 17:15 **Closing remarks, awards and get together with food and drinks**

Joint scientific meeting for doctoral students of
the NAWI Graz Doctoral School Molecular Biosciences and Biotechnology,
Molecular Biology and Biochemistry and
the DK Molecular Enzymology,
Graz University of Technology and University of Graz