

DocDay – NAWI Graz Doctoral School Molecular Biosciences and Biotechnology

Friday, 3rd of July 2009

Petersgasse 16, HS P2

Programme

08:45 – 09:00 *Opening*

Life, Energy and Death

Chair: Alexandra Binter

09:00 – 09:25 **Julia Ring** (Frank Madeo)
Modelling Troyer Syndrome in Humanized Yeast

09:25 – 09:50 **Herbert Pobeheim** (Georg Gübitz)
Influence of Trace Elements on Anaerobic Digestion and Biogas Formation

09:50 – 10:50 **Plenary Lecture – Helga Stan-Lotter**
(Department of Molecular Biology, University of Salzburg)
Extremophilic microorganisms and the search for extraterrestrial life

10:50 – 11:10 *Coffee, Tea Break and Poster Presentations*

From Structure to Function

Chair: Gustav Oberdorfer

11:10 – 11:35 **Astrid Gruber** (Monika Oberer)
The N-terminal region of CGI-58 is essential for lipid droplet binding and stimulating ATGL activity

11:35 – 12:00 **Christian Gruber** (Jürgen Pleiss, guest speaker)
Spelunking towards the active site: A tunnel provides the active site of Candida antarctica Lipase B with substrate water

12:00 – 13:00 **Plenary Lecture – Gerwald Jogl**
(Department of Molecular Biology, Cell Biology, and Biochemistry, Brown University, Providence, Rhode Island)
Can't live without drugs: antibiotic-dependence mutations in the

13:00 – 14:15 *Lunch break & Poster Presentations*

Biology meets Chemistry

Chair: Markus Verginer

14:15 – 14:40 **Helene Hopfer** (Erich Leitner)
Odour of Polyolefines

14:40 – 15:05 **Matteo Beretta** (Bernhard-Michael Mayer)
Bioactivation of nitroglycerin by the East Asian variant of aldehyde dehydrogenase-2

15:05 – 15:30 **Maria Freigassner** (Anton Glieder)
Exploring the physiological impact of membrane protein expression in Pichia pastoris

15:30 – 15:50 *Coffee, Tea Break*

The fascinating World of Lipids

Chair: Silvia Lang

15:50 – 16:15 **Karlheinz Grillitsch** (Günther Daum)
Yeast Lipid Particles: Lipidome meets Proteome

16:15 – 16:40 **Maximilian Schicher** (Albin Hermetter)
The Lipolytic Proteomes of Cultured Human Subcutaneous and Visceral Fat Cells

16:40 – 17:05 **Franz Radner** (Günter Hämmerle)
Comparative gene identification-58 (CGI-58): A key enzyme in mammalian skin triacylglycerol metabolism.

17:05 – 17:30 Best Poster Award and Closing Remarks

17:30 – ... Get together at Buffet and Drinks

Joined scientific meeting for doctoral students of
the NAWI Graz Doctoral School of Molecular Biosciences and Biotechnology,
Graz University of Technology and University of Graz

We are looking forward to seeing you!

