



THE 11th DOC DAY

NAWI GRAZ DOCTORAL SCHOOL OF
MOLECULAR BIOSCIENCES AND BIOTECHNOLOGY



DocDay 11

Friday 7th of February 2014, Graz
Kopernikusgasse 24, HS H

Organizing committee

Philip Aschauer, Manuel Eibinger, Thomas Eixelsberger, Vera Novy

Program

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

Vice Rector for Research:

Univ.-Prof. Dr.phil. Peter Scherrer

(University of Graz)

Vice-Rector for Research:

Univ.-Prof. Dipl.Ing. Dr.techn. Horst Bischof

(Graz University of Technology)

Session I

Chair: Philip Aschauer

09:15 - 10:00 **Plenary Lecture: Manfred Sippl**

Amazing protein folds

10:00 - 10:20 **Oral Presentation 1: Ines Cerk**

Studies on the regulation of ATGL: G₀/G₁ switch gene 2

10:20 - 10:40 **Oral Presentation 2: Matthias Romauch**

Development and characterization of small molecule inhibitors for ATGL

10:40 - 11:15 Coffee break and poster session

Session II

Chair: Vera Novy

11:15 - 11:35 **Oral Presentation 3: Patrick Fladischer**

Making Synthetic Proteins: Global incorporation of non-canonical amino acids

11:35 - 11:55 **Oral Presentation 4: Bastian Daniel**

Structural and phylogenetic analysis of putative flavin-dependent oxidases from Arabidopsis thaliana

11:55 - 12:15 **Oral Presentation 5: Manuela Killinger**

The synthetic biologist's toolbox: Methods for combinatorial pathway construction

12:15 - 13:30 Lunch break and poster session

Session III

Chair: Manuel Eibinger

13:30 - 14:15 **Plenary Lecture: Stefan Krahulec**

Industrial scale production of recombinant proteins in the biopharmaceutical industry

14:15 - 14:35 **Oral Presentation 6: Ulrich Rößl**

Probing conformational stability of protein bio-pharmaceuticals in the frozen state using Raman spectroscopy

14:35 - 14:55 **Oral Presentation 7: Andrea Neubauer**

Potent Inhibition of Aldehyde Dehydrogenase-2 by Diphenyleneiodonium: Focus on Nitroglycerin Bioactivation

14:55 - 15:40 Coffee break and poster session

Session Molecular Biology

Chair: Thomas Eixelsberger

15:40 - 16:00 **Oral Presentation 8: Slaven Stekovic**

Methionine restriction and autophagy – a new aspect of methionine restriction-induced longevity

16:00 - 16:20 **Oral Presentation 9: Steffen Gruber**

Identification and characterization of novel promoters in Ralstonia eutropha H16

16:20 – 17:00 **Closing remarks, awards and get together with food and drinks.**