



# 7<sup>th</sup> DocDay

**NAWI Graz Doctoral School of  
Molecular Biosciences and Biotechnology**

February 6<sup>th</sup> 2011





## PROGRAMME

Monday, February 6<sup>th</sup> 2012, HS H, Kopernikusgasse 24

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9:00- 9:15

### **Welcome and Opening remarks**

Vice Rector Univ.-Prof. DI Dr. Horst Bischof (Graz University of Technology)

Vice Rector Univ.-Prof. Dr.phil. Peter Scherrer (University of Graz)

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### **Session 1**

Chair: Anita Emmerstorfer

9:15- 9:35

#### **Patricia Bubner**

*Cellulases dig deep: in situ observation of the mesoscopic structural dynamics of enzymatic cellulose degradation*

9:35- 9:55

#### **Joanna Krysiak**

*In the search for flavin-dependent oxidases in complex biological systems- an application of activity- based protein profiling in vivo*

9:55- 10:40

#### **Plenary Lecture- Paul J. J. Hooykaas**

*Leiden University*

*Plant genetic engineering by Type IV secretion of proteins and DNA molecules from Agrobacterium tumefaciens*

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10:40- 11:15

Coffee and posters

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### **Session 2**

Chair: Gustavo Arruda Bezerra

11:15- 11:35

#### **Stefan Weiß**

*Investigation of microorganisms colonising activated zeolites and their use in anaerobic biogas production*

11:35- 11:55

**Anastasia Bragina**

*Highly- specific microbial communities associated with Spagnum mosses: biodiversity and function*

11:55- 12:15

**Wolf- Dieter Lienhart**

*The role of NAD(P)H: quinone oxidoreductase 1 in human cancer development*

12:15- 12:35

**Manuel Moisi**

*TRIVET- screening of Vibrio cholera for in vivo repressed genes*

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12:35- 13:35

Lunch

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### **Session 3**

Chair: Adam Redzej

13:35- 14:20

**Plenary Lecture- Gabriel Waksman**

*Institute of Structural Molecular Biology, Birkbeck and University College of London*

*Mechanism of a protein assembly and secretion nanomachine at the bacterial outer membrane*

14:20- 14:40

**Nikolaus Gössweiner- Mohr**

*Crystal Structure of ORF14, a dsDNA- Binding Protein of the Gram-Positive Conjugative Plasmid pIP501*

14:40- 15:00

**Walter Hohlweg**

*Identification of a cation- $\pi$  complex in V-ATPase which is absolutely essential for enzyme function*

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15:00- 15:30

Coffee and posters

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### **Session 4**

Chair: Birgit Ploier

- 15:30- 15:50      **Srinivasan Rengachari**  
*Monoglyceride lipases: Structure, Function and Evolution*
- 15:50- 16:10      **Daniel Koller**  
*The ceramide response to oxidized phospholipid stress in cultured macrophages*
- 16:10- 16:30      **Ulrike Taschler**  
*Monoglyceride lipase- deficiency in mice impairs lipolysis and attenuates diet-induced insulin resistance*

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16:30- 17:00      Best talk and poster awards and closing remarks

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17:00- end          Get together with food and drinks

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