



16th DocDay

Thursday, 7th of July

University of Graz, Universitätsplatz 1, 8010 Graz, Austria

Organizing Committee

Alexander Lepak, Jörg Lichtenegger, Maria Pribasnig,

Daniel Schwendenwein, Felix Tobola

Program

09:15 – 09:30

Welcome and opening remarks

Head of Doctoral School Molecular Enzymology

Univ.-Prof. Dr. Karl GRUBER

(University of Graz)

Session 1

Chair: Alexander Lepak

09:30 – 10:15

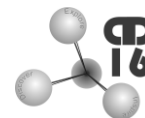
Plenary Lecture: Polona Žnidaršič-Plazl

Microscale processing in biotechnology

10:15 – 10:35

Alumni Speaker: Franz Radner

PNPLA1 Deficiency in Humans and Mice: New Insights in Mammalian Skin
Barrier Formation



10:35 – 10:55

Oral presentation: Lisa Katharina Maresch

Cloning and characterization of an unknown Carboxylesterase (Ces2c) in the liver

10:55 – 11:25

Coffee break and poster session

Session 2

Chair: Felix Tobola

11:25 – 12:10

Plenary Lecture: Alfonso Jaramillo

Synthetic RNA to reprogram living cells

12:10 – 12:30

Oral presentation: Martin Pfeiffer

Phosphatase catalyzed phosphoryl transfer: Development of a kinase independent one-pot-multi-enzyme cascade for the production of sugar -1 phosphatase and GDP mannose

12:30 – 12:50

Oral presentation: Patrik Fladischer

High performance orthogonal pairs for site-specific nCAA incorporation

12:50 – 13:10

Oral presentation: Martin Lemmerer

Downstream Processing of NDP-Sugars from Bioreaction Mixtures at Decreased Solvent Consumption

13:10 – 14:00

Lunch break and poster session

Session 3

Chair: Jörg Lichtenegger

14:00 – 14:45

Plenary Lecture: Hans Brandstetter

Dual peptidase and ligase activities in legumain and their physiological significance



14:45 – 15:05	Oral presentation: Christoph Pillip Towards the Structure of Two Challenging Proteins: GPIHBP1 and LPL
15:05 – 15:25	Oral presentation: Sergio Pulido Functional and structural studies of the bacterial toxin <i>ldrD</i> .
15:25 – 15:45	Oral presentation: Matthias Pickl Stereoselectivity of hydride transfer by 5-(hydroxymethyl)furfural oxidase

15:45 – 16:15	Coffee break and poster session
---------------	---------------------------------

Session 4

Chair: Daniel Schwendenwein

16:15 – 16:35	Alumni Speaker: Erwin Zinser Alumni Report: How to deal with high-level education
16:35 – 16:55	Oral presentation: Katrin Unterhauser Enterotoxin tilivalline is a mitotic poison that stabilizes microtubules
16:55 – 17:15	Oral presentation: Govindprasad Bhutada Novel Engineering Strategies to maximize Lipid Content in <i>Yarrowia lipolytica</i>
17:15 – 17:25	Laudatio: Peter Macheroux

17:25 – 17:40	Closing Remarks and Awards
---------------	-----------------------------------

17:40	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, University of Graz and Graz University of Technology