



23rd Doc Day

**NAWI GRAZ DOCTORAL SCHOOL OF
MOLECULAR BIOSCIENCES AND
BIOTECHNOLOGY**

February 6th, 2020



Time schedule 23rd DocDay

Thursday, 6th of February 2020, Graz

HS-H; Kopernikusgasse 24

Programme

09:00 – 09:15	Welcome and opening remarks Vice Rector Univ.-Prof. Dipl.-Ing. Dr.techn. Horst Bischof (Graz University of Technology) Vice Rector Univ.-Prof. Dr. Christof Gattringer (University of Graz)
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Session 1

Chair: Giovanni Davide Barone

09:15 - 10:10	<i>Engineering cyanobacteria for the production of solar chemicals and fuels</i> Invited Speaker 1: Prof. Dr. Peter Lindblad (Sweden)- University of Uppsala
10:10 – 10:30	<i>Rieske-type hydroxylations using light-initiated electron transfer pathways</i> Student Presentation: Fatma Feyza Özgen – Graz University of Technology
10:30 – 10:50	<i>Identification of new potential BBE-like monoglucosylated oxidoreductases using computational methods</i> Student Presentation: Michael Hettmann – University of Graz
10:50 – 11:10	<i>Optimization of recombinant enzyme expression for light-driven bioreductions in Synechocystis sp. PCC 6803</i> Student Presentation: Hanna Büchenschütz – Graz University of Technology

11:10 – 11:40	Coffee break and poster session
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Session 2

Chair: Tamara Berger

11:40 – 12:35	<i>Understanding and engineering CAZymes</i> Invited Speaker 2: Dr. David Teze (Denmark) - Technical University of Denmark
12:35 – 12:55	<i>Characterization of Monoglucosyl Oxidoreductases from the Berberine Bridge Enzyme-like Protein Family in Arabidopsis thaliana</i> Student Presentation: Stefan Reinmar Eggers - Graz University of Technology
12:55 – 13:15	<i>Site-specific incorporation of non-canonical amino acids is enhanced using a growth-arrested E. coli</i> Student Presentation: Meri Casas Galindo - Acib GmbH c/o, Graz University of Technology
13:15 – 13:35	<i>Preparative-scale production of testosterone metabolite products by human liver cytochrome P450 enzyme 3A4</i> Student Presentation: Nico Fessner- Graz University of Technology

13:35 – 14:40	Lunch break and poster session
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Session 3

Chair: Fatma Feyza Özgen

14:40 – 15:35	<i>Metabolic Engineering Strategies for Producing Oleochemicals in Bacteria</i> Invited Speaker 3: Prof. Dr. Brian F. Pfleger (USA) - University of Wisconsin-Madison
15:35 – 15:55	<i>A small look on exploitations of cyanobacteria: from metabolic engineering for biofuels production to light driven biocatalytic applications for redox reactions</i> Student Presentation: Giovanni Davide Barone - Graz University of Technology
15:55 – 16:15	<i>Expanding the applicability of phenolic acid decarboxylase from Bacillus subtilis by use of non- conventional solvents</i> Student Presentation: Anna Schweiger - Graz University of Technology

16:15 – 16:30	<i>Multi-enzyme cascades optimized for the synthesis of 3'-sialyllactose</i> Student Presentation: Sabine Schelch – Acib GmbH c/o, Graz University of Technology
16:30 – 16:40	Award Session & Closing remarks
16:40 – ...	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 DK Molecular Enzymology, **Graz University of Technology & University of Graz**