



„NATURAL PRODUCTS:

ANALYTICS, BIODIVERSITY AND BIOCHEMISTRY“

Program

Monday, 18th of June, Freising,

Venue: Lecture Hall HS 16, Central Lecturing Building

8:30 Registration (see also below)

Welcome Adresses

9:00 Welcome to WZW Faculty (TUM representative)

9:20 Welcome address UNESP (Carlos Vergani or representative)

9:40 Welcome address UQ (Paul Young)

10:00 Welcome from the Organizers: Melanie Spornraft, Michael Rychlik (TUM)

10:20 Networking Coffee Break I

Morning session: Biodiversity and Novel Foods

Moderator: Michael Rychlik (TUM)

10:50 Andre Gonzaga (UNESP): "PANCs (wild edible plants) from Brazil biodiversity as alternative sources of vitamins and other bioactive compounds"

11:20-12:30 Native Australian fruits as a "natural reservoir" for functional food applications

11:20 Yasmina Sultanbawa (QAAFI/UQ): Kakadu plum as a successful case study

11:50 Michael Netzel (QAAFI/UQ): Analytical and biochemical approach

12:30 Networking Lunch at Mensa

Afternoon session: Food Analysis

Moderator: Andre Gonzaga or Jeferson Gross (UNESP)

14:00 Pilar Sotomayor (UNESP): "Potentials of use of Molecularly Imprinted Polymers (MIPs) as actuators and sensors in food control"

14:30 Michael Rychlik (TUM): "Ethnofood Analysis for Prospecting Novel and Traditional Foods"

15:00 Philippe Schmitt-Kopplin (TUM): "Foodomics"

15:30 Networking Coffee Break II

16:00 Thomas Hofmann (TUM) „Tasty Oxylipins from Chanterelle“

16:30 Ben Schulz (UQ): "The Dynamic Beer Proteome"

17:00 Martin Steinhaus (TUM) "Flavour of Exotic Foods"

17:30 Michael Kupetz (TUM): "Compounds of Cytolysis during Malting"

Registration (free of charge) necessary at melanie.spornraft@wzw.tum.de



Tuesday, 19th of June, Freising,

Venue: Lecture Hall HS 16, Central Lecturing Building

Morning session: Analysis and Biochemistry of Natural products and Medicinal Chemistry

Moderator: Andre Gonzaga or Jeferson Gross (UNESP)

9:00 Volker Sieber (TUM): Enzyme Research for Bioeconomy

9:30 Jeferson Gross (UNESP): "Genomics, adaptive evolution and synthetic biology of yeasts: focus on the metabolism of pentoses and stress protection compounds"

10:00 Willy Schwab (TUM): "Attractive but toxic: Emerging roles of glycosyltransferases in the formation of plant-derived-flavour compounds"

10:30 Networking Coffee Break III

11:00 Gary Schenk (UQ): "Evolution and diversity of B3 metallo- β -lactamases, major contributors to the spread of antibiotic resistance"

11:30 Thomas Brück (TUM): „ Switching the product specificity of plant taxadiene synthase to generate marine derived verticillenes as synthons for new tumorcidal products"

12:00 James De Voss (UQ): Cytochrome P450 Enzymes

12:30 Networking Lunch at Mensa

Afternoon session: Biochemistry of Natural Products and Medicinal Chemistry

Moderator: Ross Barnard (UQ)

14:00 Susanne Schmidt (UQ): "Treasures of Australia's arid zone - from nitrogen-fixing biofilm to nanopaper"

14:30 Wolfgang Liebl (TUM): „Novel Enzymes from Microbial Biodiversity"

15:00 Luke Guddat (UQ): "New drug leads for infectious diseases"

Conclusion of Scientific Part (Freising): Michael Rychlik (TUM)

Venue: GZW Lounge

17:00 Get-Together with PhD students

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Wednesday, 20th of June, Freising/Straubing:

Visit and Introduction to TUM-Campus Straubing: Guests, TUM PIs, PhD students developing project ideas (Capacity for 20 PhD students): **specific registration necessary!**

8:00 Bus Departure Freising (Hotel Bayerischer Hof, Hotel Corbin)

9:45 Arrival Straubing

10:00 Talk session: Welcome

10:10 Paul Young (UQ): "Molecular Biology of Viral Replication"

10:40 Mikael Boden (UQ): „ Re-imagining the ancestors of enzyme families and their evolution”

11:10 Cordt Zollfrank (TUMCS): "Structural and Functional Biogenic Materials"

11.35 Herbert Riepl (TUMCS): „Cell differentiation phenomena induced by natural products from medicinal plants“

12:00 Campus Tour (Guests and TUM PIs)

In parallel: PhD students: Developing cooperative project ideas, including lunch at Mensa (see also below)

12:30 Lunch (Guests and TUM PIs)

13:15 Workshop: Development of joint proposals (IRTG and others)

In parallel, 12:00-14:30: PhD students: Developing cooperative project ideas, including lunch at Mensa

14:30 Coffee/Tea provided (informal)

14:45 Student presentation

16:00 Campus colloquium:

Presentation Dr. Christian Patermann: "Bioeconomy in Europe, Hype or reality? Outlook and perspectives"

17:30 Town of Straubing, Biergarten

20:00 Bus departure to Freising

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