



Scientific HMPPA Symposium
NEXT GENERATION IN PHARMACOGNOSY



University of Graz

JULY 04 – 05, 2024

**Venue: Institute of Pharmaceutical Sciences, Pharmacognosy,
Beethovenstrasse 8, 8010 Graz, Austria**

2nd Floor, Lecture Hall 111.21

PROGRAM

Thursday, July 04, 2024

12:00 – 13:30 **LUNCH** (informal get-together)

13:30 – 13:40 **Welcome addresses**

H. Stuppner

HMPPA President, Institute of Pharmacy/Pharmacognosy, University of Innsbruck

13:40 - 14:40 **Session 1**

Chair: Simone Moser

13:40 – 13:50 **RAO Zhigang | University of Innsbruck, Michael Popp Institute**
Targeted lipidomics to elucidate the anti-inflammatory activities of (biogenic) small molecules

13:52 – 13:57 **BERTAINA Lorenza | University of Vienna**
Identification and characterization of new natural and semisynthetic compounds as RAR-related orphan receptors (ROR) ligands

13:59 – 14:04 **SCHWARZKOPF Sophie | University of Innsbruck**
Spot on! Light-activatable pigments of South American Cortinarii

14:06 – 14:11 **REDL Martina | University of Vienna**
Identifying and dissecting health promoting natural products for healthy aging

14:13 – 14:23 **KARG Cornelia | University of Innsbruck**
Better with Age: Stored Plant-Based Foods as Source of Bioactive Compounds

14:23 – 14:40 **DISCUSSION**

14:40 - 15:40 **Session 2**

Chair: Eva Pferschy-Wenzig

14:40 – 14:50 **ALILOU Mostafa | University of Innsbruck**
Exploring Alpine Biodiversity: Endophytes Unlocking the Treasure Trove of Natural Products

14:52 – 14:57 **TIEFENBACHER Stefanie | University of Graz**
Metabolic and pharmacological profiling of the TCM formula Hanshiyi

14:59 – 15:04 **BUI HOANG Minh | University of Innsbruck, Michael Popp Institute**
Beyond Vitamin E: Discovery of Redox Regenerative Vitamin E Derivatives with Superior Anti-Ferroptotic Efficacy

15:06 – 15:11 **SCHWARZ Paula | Medical University of Vienna**
Nature-derived Peptide Inhibitors of Prolyl Oligopeptidase modulate T-cell Proliferation

15:13 – 15:23 **BONYADIRAD Ehsan | University of Innsbruck, Michael Popp Institute**
On the trail of the molecular mechanism behind the potentiated anti-cancer activity of sorafenib by Silymarin

15:23 – 15:40 **DISCUSSION**

15:40 – 16:10 **C O F F E E B R E A K**

16:10 - 17:03 **Session 3**

Chair: Bianka Siewert

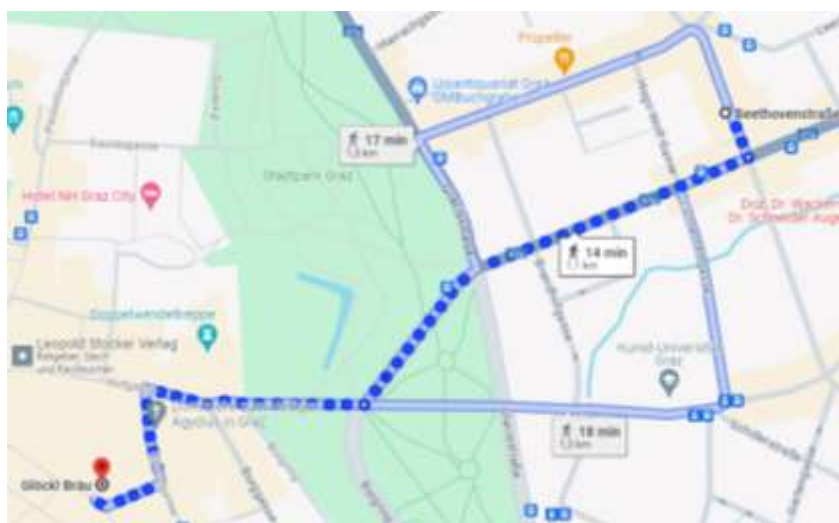
- 16:10 – 16:20** **HUBER-CANTONATI Petra | PMU Salzburg**
Dihydrochalcones: Harnessing Nature's Palette in Cancer Research
- 16:22 – 16:27** **ADELSBERGER Sigrid | University of Vienna**
Sanggenons for inhalation? Biopharmaceutical profiling of anti-infectives from *Morus alba* root bark
- 16:29 – 16:34** **COFFEY Christine | University of Vienna**
Leoligin derivatives as novel potential Phosphodiesterase 4 inhibitors
- 16:36 – 16:41** **FISCHER Florian | PMU Salzburg**
A combined in silico and in vitro approach for discovery of novel microtubule stabilizers targeting the taxane binding site
- 16:41 – 16:46** **MBANU Augustine | Medical University of Vienna**
Extraction and characterization of parasite prolyl oligopeptidase peptide inhibitors from selected medicinal plants
- 16:46 – 17:03** **DISCUSSION**

17:15 – 18:15 **IMPULSE LECTURE 1**
Chair: Hermann Stuppner

- 17:15 – 17:45** **Impulse lecture 1: Prof. Dr. Jürg GERTSCH**
University of Bern, Institute of Biochemistry and Molecular Medicine
- Employing chemoproteomics in natural product pharmacology - how to become an innovator**

17:45 – 18:15 **DISCUSSION**

From 19:00 **SOCIAL EVENING**
Glöckl Bräu
Glockenspielpaltz 2-3, 8010 Graz (1st Floor)



Friday, July 05, 2024

09:00 - 10:00 **IMPULSE LECTURE 2**
Chair: Rudolf Bauer

09:00 – 09:30 **Impulse lecture 2: Univ.-Doz. Dr. Reinhard LÄNGER**
Institute Marketing Authorisation of Medicinal Products & LCM, Department Herbal, Homoeopathic and Veterinary Medicinal Products, Division Austrian Medicines and Medical Devices Agency
AGES - Austrian Agency for Health and Food Safety
BASG - Federal Office for Safety in Health Care
'Science meets Legislation' - Regulatory affairs for Herbal Medicinal Products

09:30 – 10:00 **DISCUSSION**

10:00 - 11:00 **Session 4**
Chair: Christian Gruber

- 10:00 – 10:10** **GRIENKE Ulrike | University of Vienna**
A biochemometric approach to unravel complex bioactive natural products
- 10:12 – 10:17** **ELVERT Christian | University of Innsbruck**
A bioactive chlorophyll-derived yellow phyllobilin from senescent leaves of *Carica papaya*
- 10:19 – 10:24** **SEEBER Angelika | University of Innsbruck**
PenTaPho – Are Penicillia and Talaromyces spp. Large scale producers of potent Photoantimicrobials?
- 10:26 – 10:31** **NICKL Anna | University of Graz**
Evaluation of aromatase enzyme inhibition by extracts of *Bergenia crassifolia* (Saxifragaceae)
- 10:33 – 10:43** **SIEWERT Bianka | University of Innsbruck**
Photoactivated Fungal Metabolites: Ecological and Pharmaceutical Aspects
- 10:43 – 11:00** **DISCUSSION**
- 11:00 – 11:15** **C O F F E E B R E A K**

11:15 – 12:15 **Session 5**
Chair: Ulrike Grienke

- 11:15 – 11:25** **WATL Lorenz | University of Innsbruck, Michael Popp Institute**
Mitrephorones combine anti-inflammatory, anti-ferroptotic, and lipid-lowering activity and protect hepatocytes from lipotoxic stress
- 11:27 – 11:32** **LOC Le Xuan | University of Innsbruck, Michael-Popp Institute**
The aureane-(hydro)quinone 5-epi-strongylin A combines a lipophilic scaffold with a radical scavenger moiety to efficiently suppress ferroptosis
- 11:34 – 11:39** **ZELL Lukas | PMU Salzburg**
A Systematic Analysis of Synergistic Effects of Natural Product Cholinesterase Inhibitors
- 11:41 – 11:46** **BEREUTER Leonhard | University of Innsbruck, Michael-Popp Institute**
Functional lipidomics to obtain mechanistic insights into EMT-regulated ferroptosis
- 11:48 – 11:58** **PFERSCHY-WENZIG Eva | University of Graz**
Assessing the fate of herbal medicinal products in the intestinal tract in vitro

11:58 – 12:15 DISCUSSION

12:15 – 13:30 LUNCH

13:30 – 14:30 Guided tour of the Department of Pharmacognosy Graz