

NEXT GENERATION IN PHARMACOGNOSY | May 11 – 12, 2023

Scientific HMPPA Symposium | Paracelsus Medical University Salzburg (PMU)

PROGRAM

Thursday, May 11, 2023

Paracelsus Medical University Salzburg, Strubergasse 21, 5020 Salzburg, Austria

Till 12:00 **Arrival at Paracelsus Medical University Salzburg (PMU)**

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

13:30 – 13:40 **Welcome addresses**

H. Stuppner

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

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

Chair: Veronika TEMML, PMU Salzburg

13:40 – 13:50 **HAMMERLE Fabian | University of Innsbruck**

Natural extracts for the photodynamic control of mosquito larvae

13:52 – 13:57 **SUNGHANGHWA Yuwathida | Medical University of Vienna**

Isolation and characterization of peptides from *Momordica charantia*

13:59 – 14:04 **WALTZ Lorenz | University of Innsbruck, Michael Popp Institute**

Bioinspired meroterpenoids rearrange lipid profiles of innate immune cells towards limiting inflammation

14:06 – 14:16 **GRAFAKOU Maria-Eleni | University of Graz**

In-vitro fermentation of medicinal plant extracts related with mental health by human fecal microbiota

14:18 – 14:23 **COFFEY Christine | University of Vienna**

Characterisation of honokiol derivative, LRK071, as a dual specific RXR agonist and PDE4 inhibitor

14:25 – 14:40 **DISCUSSION**

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

Chair: Fabian HAMMERLE, University of Innsbruck

14:40 – 14:50 **ALILOU Mostafa | University of Innsbruck**

Fungal endophytes as promising sources of bioactive natural products

14:52 – 14:57 **ZELL Lukas | PMU Salzburg**

Systematic Analysis of Synergistic Effects of *Salvia officinalis* Extracts in Cholinesterase Inhibition

14:59 – 15:04 **TIEFENBACHER Stefanie | University of Graz**

Metabolic and pharmacological profiling of the TCM formula Hanshiyi

15:06 – 15:16 **TEMML Veronika | PMU Salzburg**

In Silico analysis of 15-Lipoxygenase activation by selected anti-inflammatory natural products

15:18 – 15:23 **PERMANN Stephan | University of Innsbruck, Michael Popp Institute**

Mechanistic insights into the induction of protectin biosynthesis by α -garcinoic acid in innate immune cells

15:25 – 15:40 **DISCUSSION**

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

16:10 - 17:05	Session 3 Chair: Petra HUBER-CANTONATI, PMU Salzburg
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- 16:10 – 16:20 **KRSTIC Sanja | University of Graz**
Alchemilla vulgaris - the plant with remarkable biopotential
- 16:22 – 16:27 **LE XUAN Loc | University of Innsbruck, Michael Popp Institute**
Evolutionarily optimized structures to target an ancient cell death program:
Identification of a new class of bioinspired ferroptosis inhibitors
- 16:29 – 16:34 **NICKL Anna | University of Graz**
Phytochemical and pharmacological investigations of *Bergenia crassifolia* in
relation to prevention and treatment of endometriosis
- 16:36– 16:46 **POPOFF Alexander | PMU Salzburg**
Bio source derived extracellular vesicles as potential drugs and characterisation
approaches
- 16:48 – 16:58 **ALZA Natalia | University of Graz**
Deacylcynaropicrin from *Cyclolepis genistoides* as cytoprotective agent against
oxidative stress
- 16:58 – 17:15 **DISCUSSION**

17:15 - 17:35	IMPULSE LECTURE 1 Chair: Rudolf Bauer
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- 17:15 – 17:45 **Impulse lecture 1: Dr. KELBER Olaf**
Steigerwald Arzneimittelwerk GmbH, Research & Development, Bayer Consumer
Health, Sachs Building, Havelstraße 5, 64295 Darmstadt, Germany
“Pharmacognosy from the industry perspective”
- 17:45 – 18:00 **DISCUSSION**
- From 18:30 **SOCIAL EVENING**
Augustiner Braugasthof Kripplstätter
Müllner Hauptstraße 31, 5020 Salzburg

Friday, May 12, 2023

Paracelsus Medical University Salzburg, Strubergasse 21, 5020 Salzburg, Austria

09:00 - 10:00 Session 4

Chair: GRAFAKOU Maria-Eleni University of Graz

09:00 – 09:10 HUBER-CANTONATI Petra | PMU Salzburg

Benzylated dihydrochalcone MF-15 as promising multi-target drug for the inhibition of hepatocellular and thyroid cancer proliferation

09:12 – 09:17 TOMASEVIC Natasa | Medical University of Vienna

Circular peptides as a new class of cannabinoid type 2 receptor ligands

09:19 – 09:24 BUI HOANG Minh, University of Innsbruck, Michael Popp Institute

Natural products from Vietnamese medicinal plants that hijack endogenous redox cycles to prevent ferroptosis

09:26 – 09:31 SCHWARZ Patrik | University of Vienna

Discovery of betulinic acid analogues as inverse agonists of the nuclear receptor ROR γ

09:33 – 09:38 ZWERGER Michael | University of Innsbruck

Application of FBMN in the field of algal research

09:40 – 10:00 DISCUSSION

10:00 – 10:30 C O F F E E B R E A K

10:30 – 11:00 IMPULSE LECTURE 2

Chair: Hermann Stuppner

10:30 – 11:00 Impulse lecture 2: Ass.-Prof. Dr. Gruber Christian W.

Drug Discovery and Peptidomics, Medical University of Vienna, Center for Physiology and Pharmacology

“Career options in Pharmacognosy in academia

11:00 – 11:30 DISCUSSION

11:30 – 12:45 LUNCH (PMU Salzburg)

13:30 – 15:30 Stiegl Brewery, guided tour including beer tasting