

# NEXT GENERATION IN PHARMACOGNOSY | September 17 – 19, 2021

Scientific HMPPA Symposium | Karl Landsteiner Private University for Health Sciences Krems

## PRELIMINARY PROGRAM

### Friday, September 17, 2021

Kolping Campus Krems, Alauntalstrasse 95+97, 3500 Krems

**19:00 – 21:00**     **Get-together** (Cafeteria Kolping Campus Krems)

### Saturday, September 18, 2021

Karl Landsteiner Private University of Health Sciences, Dr.-Karl Dorrek-Strasse 30, 3500 Krems  
Large Ballroom

**08:30 – 08:40**     **Welcome addresses**

**H. Stuppner**

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

**08:40 - 10:30**     **Session: PHYTOCHEMISTRY**  
**Chair: R. Bauer, V. Temmel**

**08:40 – 08:45**     **Raab Pia Gabriela | University of Graz**

Phytochemical and iNOS-inhibition investigations of constituents in *Albizia julibrissin* DURAZZ from wild collection

**08:47 – 08:52**     **Bampali Evangelia | University of Graz**

Phytochemical and pharmacological investigations of *Cardiospermum halicacabum* L.

**08:54 – 08:59**     **Tocino Márquez Inmaculada | University of Vienna**

Secondary metabolomes of bacterial communities associated with a freshwater bryozoan

**09:01 – 09:06**     **Malfent Fabian | University of Vienna**

Discovery of novel natural products from bacteria isolated from environmental sources

**09:08 – 09:13**     **Schneider Olha | University of Vienna**

Using synthetic biology to unlock potential of actinobacteria to synthesize natural products

**09:15 – 09:20**     **Stich Anna | University of Vienna**

Exploration of the secondary metabolite biosynthesis potential of Actinobacteria from the rhizosphere of *Leontopodium nivale* subsp. *alpinum*

**09:22 – 09:27**     **Mittas Domenic | University of Innsbruck**

Stilbene oligomers from *Scirpoides holoschoenus* as new anti-fungal candidates against *Botrytis cinerea*

**09:29 – 09:34**     **Villicaña-González Eduardo | University of Innsbruck**

Separation of Paraconic Acids contained in *Cetraria islandica*

**09:36 – 09:41**     **Pferschy-Wenzig Eva-Maria | University of Graz**

Experimental platforms for studying interactions between herbal extracts and gut microbiota

**09:43 – 09:48**     **Alilou Mostafa | University of Innsbruck**

Relative or absolute configuration? A case study of spirobiflavonoids isolated from *Yucca schidigera* Roezl ex Ortgies bark

**09:48 – 10:30**     **DISCUSSION**

10:30 – 11:00 C O F F E E B R E A K

11:00 - 12:20 **Session: ANALYTICS & OTHERS**  
**Chair: J. Novak, E.-M. Pferschy-Wenzig**

- 11:00 – 11:05 **Drmic Ana | University of Innsbruck**  
Quantitative NMR of natural products
- 11:07 – 11:12 **Langeder Julia | University of Vienna**  
Analytical advances to understand the therapeutic potential of *Rhodiola rosea*
- 11:14 – 11:19 **Hammerle Fabian | University of Innsbruck**  
Fungal pigments in the spotlight
- 11:21 – 11:26 **Saphir Lisa Marie | University of Veterinary Medicine Vienna**  
Gene expression profiling of the flavonoid biosynthesis in chamomile (*Matricaria chamomilla* L., Asteraceae)
- 11:28 – 11:33 **Osterberger Elisabeth | University of Veterinary Medicine Vienna**  
Relationship and haplotypes of genebank accessions of *Cannabis sativa* L. based on chloroplast markers
- 11:35 – 11:40 **Temml Veronika | Paracelsus Medical University Salzburg**  
Virtual profiling of multi-target activities of benzylated dihydrochalcones
- 11:42 – 11:47 **Wasilewicz Andreas | University of Vienna**  
Virtual screening for identification of natural products targeting viral proteases of SARS-CoV-2
- 11:47 – 12:20 **DISCUSSION**
- 12:20 – 14:00 **LUNCH**

14:00 - 15:30 **Session: PHARMACOLOGY 1**  
**Chair: V. Dirsch, S. Koeberle**

- 14:00 – 14:05 **Petsouki Eleni | University of Vienna**  
Elucidating the interplay between Nrf2 and AMPK
- 14:07 – 14:12 **Horgan Mark James | University of Innsbruck**  
Alpine Blue Sow-Thistle against Nematodes: A dual approach to Anthelmintic discovery
- 14:14 – 14:19 **Schwarz Patrik | University of Vienna**  
Identifying ROR $\gamma$  modulators from nature
- 14:21 – 14:26 **Fiala Johannes | University of Innsbruck**  
Analysis of photosensitizers from fungi via a photo-antimicrobial HTS
- 14:28 – 14:33 **Haiss Patricia | University of Vienna**  
Mechanistic studies on the antiproliferative effect of evodiamine on vascular smooth muscle cells
- 14:35 – 14:40 **Permann Stephan | University of Innsbruck, Michael Popp Institute**  
Effects of vitamin E-inspired small molecules on inflammation resolution in human innate immune cells
- 14:42 – 14:47 **Raudner Gabriela | University of Graz**  
The role of gut microbiota for the activity of herbal preparations in mental health
- 14:47 – 15:30 **DISCUSSION**
- 15:30 – 16:00 C O F F E E B R E A K

**16:00 - 17:00**    **Session: PHARMACOLOGY 2**  
**Chair: V. Dirsch, E. Petsouki**

- 16:00 – 16:05**    **Koeberle Solveigh | University of Innsbruck**  
Biogenic ferroptosis-modulating compounds: Challenges and opportunities in interfering with redox signalling and potential therapeutic applications
- 16:07 – 16:12**    **Rao Zhigang | University of Innsbruck, Michael Popp Institute**  
Unraveling the molecular mechanisms of (biogenic) anti-inflammatory small molecules targeting ferroptosis
- 16:14 – 16:19**    **Huber-Cantonati Petra | Paracelsus Medical University Salzburg**  
Benzylated dihydrochalcones as new therapeutic option in hepatocellular and differentiated thyroid carcinoma"
- 16:21 – 16:26**    **Pirker Teresa | University of Graz**  
Investigations on anti-inflammatory properties of megastigmane-containing plants with a special focus on  $\beta$ -damascenone and Osmanthus fragrans
- 16:26 – 17:00**    **DISCUSSION**
- 18:30**            **Social evening at Heuriger Müllner**  
Stadtgraben 50, 3500 Krems

## Sunday, September 19, 2021

- 09:30 – 17:00**    **Excursion to WALDLAND**  
Oberwaltenreith 10, 3533 Friedersbach  
On the way back we will visit interesting sightseeing-points (e.g. Spitz/Donau, Dürnstein...)  
Arrival time at Kolpus Campus Krems or Krems railwaystation not later than 17:00