

Austrian Drug Screening Institute GmbH

Phytovalley[®]-Tirol



Austrian Summit on Natural Products

Science and Technology behind
Phytopharmacy, Phytocosmetics and Phytonutrition

March 26 - 28, 2023
Seefeld, Tirol, Austria

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Organizing Committee

Prof. Dr.Dr.h.c. Günther Bonn, Innsbruck, Austria
DI (FH) Dr. Thomas Jakschitz, Innsbruck, Austria
Dr. Oliver Lutz, Innsbruck, Austria
Mag. Gökhan Senli, B.A., Innsbruck, Austria

Scientific Committee

Prof. Dr. Rudolf Bauer, Graz, Austria
Prof. Dr. Thomas Brück, Munich, Germany
Prof. Dr. Danilo Corradini, Rome, Italy
Prof. Dr. Ilkay Erdogan Orhan, Ankara, Türkiye
Prof. Dr. Christian Huck, Innsbruck, Austria
Prof. Dr. Krystyna Skalicka-Woźniak, Warsaw, Poland
Prof. Dr. Leandros Skaltsounis, Athens, Greece
Prof. Dr. Jean-Luc Wolfender, Geneva, Switzerland

PCO

pdl - Dr. Eugen Preuß, Innsbruck, Austria

Registration

Online via phytovalley.org only. The number of participants is limited to 80.
Onsite registration will not be possible.

Conference Webpage

phytovalley.org



The **Austrian Summit on Natural Products** is based on an interesting initiative of the Austrian Drug Screening Institute (ADSI) aiming at promoting phytosciences in the Alpine regions. The conference will cover the topics of

- Phytopharmacy,
- Phytocosmetics and
- Phytonutrition

with the aim to bring young scientists together with leading experts in the field of phytosciences.

Austrian Summit on Natural Products aims to improve the efficiency of phytological analysis and development in these fields by providing a unique platform to discuss ways for setting-up new quality standards for research, development and production of phytological products. Moreover, contributions including the research & development of new innovative phytoproducts addressing the customer needs are particularly welcome.

The conference is organized by the Austrian Drug Screening Institute GmbH (ADSI), a research institute focused on the screening and identification of bioactive substances in plant extracts, primarily for their application in the pharmaceutical, cosmetic and food industries.

As location Seefeld, a winter sports area in the heart of the Austrian Alps, about 20 km north-west of Innsbruck has been chosen.

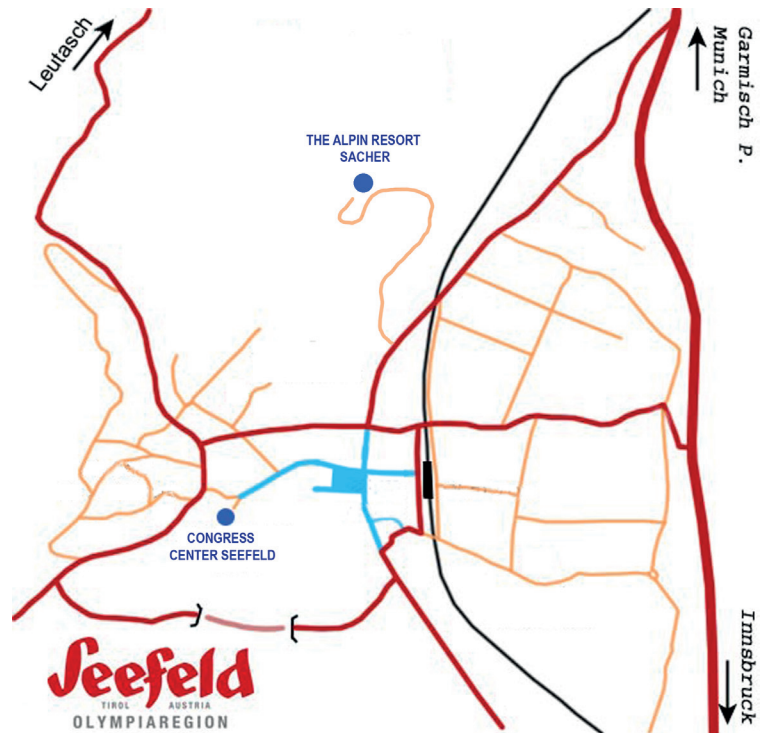
Sunday, March 26, 2023

ALPIN RESORT SACHER

18:00	REGISTRATION FOR INVITED SPEAKERS AND CHAIRPERSONS
19:00	Conference Dinner

Venue

CONGRESS CENTER SEEFELD
Klosterstraße 600
6100 Seefeld
<https://www.kongress-seefeld.at/en/>



Monday, March 27, 2023 – Morning

CONGRESS CENTER SEEFELD

08:00 START OF REGISTRATION

09:00 OPENING CEREMONY

Cornelia Hagele	<i>State Council for Health, Care, Education, Science and Research Tyrol, Austria</i>
Veronika Sexl	<i>Professor, Rector of the University of Innsbruck, Austria</i>
Michael A. Popp	<i>CEO & Chairman of the Executive Board, Bionorica SE, Germany</i>
Hubert Huppertz	<i>Professor, Dean of the Faculty of Chemistry and Pharmacy, University of Innsbruck, Austria</i>
Franz Fischler	<i>Chairman of the ADSI Advisory Board, Former Minister and EU-Commissioner</i>

PHYTICOSMETICS I

Chair: **Krystyna Skalicka-Woźniak** and **Jean-Luc Wolfender**

09:30	Christoph Abels	<i>Head of Research and Development, Bionorica SE</i> Plant extracts in dermatology for topical application
10:00	Judith Rollinger	<i>Professor, Division of Pharmacognosy, University of Vienna, Austria</i> How can a worm contribute to identify healthy aging natural products?
10:30	Theodor Braun	<i>Austrian Drug Screening Institute GmbH, Innsbruck, Austria</i> Dimocarpus longan extract as a novel cosmetic ingredient – in vitro 3D cell culture studies
10:50	Bernhard Irrgang	<i>Head of R&D Natural and Organic Cosmetics, Weleda A.G., Switzerland</i> Challenges for modern certified natural cosmetics
11:20	Ilkay Erdogan-Orhan	<i>Dean, Institute of Pharmacy, Gazi University, Ankara, Türkiye</i> Cosmetic prototypes as nanoformulations – from benchtop to patent

Lunch Break

Monday, March 27, 2023 – Early Afternoon

CONGRESS CENTER SEEFELD

13:30	WELCOME SPEECH	
	Anton Mattle	<i>Governor of Tyrol, Austria</i>
PHYTICOSMETICS II		
Chair: Ilkay Erdogan Orhan		
14:00	Surapol Natakankitkul	<i>President of the Society of Cosmetic Chemists of Thailand</i> Phytocosmetics – The megatrends for wellness and beauty industry in Asia
14:30	Julia Mößlacher	<i>Visiting Professor, Pharmaceutical Technology and Biopharmaceutics, Paracelsus Medizinische Privatuniversität, Salzburg, Austria</i> Latest trends in active ingredients development
15:00	Norbert Mehlmer	<i>Systems Biology, Department of Chemistry, TUM, Munich, Germany</i> Genome-wide insights into the biosynthesis of aroma-active, high-value terpenoids from bluebeard
15:30	Susanne Huber	<i>Institute of Analytical Chemistry and Radiochemistry, University of Innsbruck, Austria</i> Novel analytical methods for the quantification of cannabidiol in natural cosmetics and oils
Coffee Break		

Monday, March 27, 2023 – Late Afternoon

CONGRESS CENTER SEEFELD

PHYTONUTRITION

Chair: **Hermann Stuppner** and **Surapol Natakankitkul**

16:15	Leandros Skaltsounis	<i>Professor, Department of Pharmacy, University of Athens, Greece</i> Exploitation of olive oil industry products and by-products for the development of promising medicinal agents
16:45	Danilo Corradini	<i>Professor, National Research Council, Rome, Italy</i> Profiling phytonutrients in dietary supplements and food with health beneficial effects
17:15	Evelyn Wolfram-Schilling	<i>Zurich University of Applied Sciences and Ricola Group AG, Switzerland</i> Quality and evidence of natural health products: how we could deliver sustainably transparency
17:45	Klemens Losso	<i>Department of Food Technology and Nutrition, MCI The Entrepreneurial School, Innsbruck, Austria</i> DARTing ahead: Rapid quality control of foods using direct analysis in real time mass spectrometry
18:05	Christian W. Huck	<i>Professor, Institute of Analytical Chemistry and Radiochemistry, University of Innsbruck, Austria</i> Vibrational Spectroscopy – a promising analytical tool in phytopharmacy and phytonutrition
18:35	Xaver Dopfer	<i>CEO & Founder, Allgäuer Ölmühle, Germany</i> The way to best-in-class vegan proteins
18:55	Manuel Valiente	<i>Professor, Department of Chemistry, Centre GTS, Universitat Autònoma de Barcelona, Spain</i> Selenium as a key element in functional foods. Some experimental studies exploiting basic concepts

Get together at Astoria Alm by Alpin Resort Sacher

Tuesday, March 28, 2023 – Morning

CONGRESS CENTER SEEFELD

08:00	START OF REGISTRATION	
PHYTOPHARMACY I		
Chair: Leandros Skaltsounis and Christian Huck		
08:30	Rudolf Bauer	<i>Professor, Department of Pharmacognosy, Institute of Pharmaceutical Science, University of Graz, Austria</i> The role of the gut microbiome for the activity of herbal medicine
09:00	Lukas Huber	<i>Director, Institute of Cell Biology, Medical University of Innsbruck, Austria</i> Dimocarpus longan extract as the basis for a new nasal tracheal spray for the prevention of upper respiratory tract viral infections, including corona and influenza viruses
09:30	Tobias Schlappack	<i>Institute of Analytical Chemistry and Radiochemistry, University of Innsbruck, Austria</i> Derivatised halloysite nanotubes as novel and reusable cation exchange materials for solid phase extraction of toxic pyrrolizidine alkaloids from honey
09:50	Elena Mikropoulou	<i>Division of Pharmacognosy & Natural Products Chemistry, Department of Pharmacy, National & Kapodistrian University of Athens, Greece</i> Chios mastic gum: future potential for an ancient product
10:10	Jean-Luc Wolfender	<i>Vice-Dean, Faculty of Sciences, School of Pharmaceutical Sciences, University of Geneva, Switzerland</i> Exploitation of knowledge graph frameworks integrating massive metabolomics and bioactivity plant extracts datasets to guide the discovery of new bioactive natural products
10:40	Andreas Koeberle	<i>Professor, Michael Popp Institute, University of Innsbruck, Austria</i> Natural product-assisted multiomics in the discovery of cell fate-determining phospholipids for supportive leukemia therapy
Coffee Break		

Tuesday, March 28, 2023 – Midday

CONGRESS CENTER SEEFELD

PHYTOPHARMACY II

Chair: **Rudolf Bauer** and **Danilo Corradini**

11:30	Hermann Stuppner	<i>Professor, Institute of Pharmacy/Pharmacognosy, University of Innsbruck, Austria</i> Pharmacognosy at the University of Innsbruck – 35 exciting years at a glance
12:00	Benjamin Kirchwegger	<i>Division of Pharmacognosy, University of Vienna, Austria</i> Cheminformatic and biochemometric strategies for the discovery of natural products against SARS-CoV2
12:20	Christoph Kappacher	<i>Institute of Analytical Chemistry and Radiochemistry, University of Innsbruck, Austria</i> Rapid quantification of polyphenols using dispersive SPE assisted NIRS
12:40	Maria Eleni Grafakou	<i>Department of Pharmacognosy, University of Graz, Austria</i> Effects of in vitro upper intestinal tract digestion and fermentation with human fecal samples on <i>Hypericum perforatum</i> extract
13:00	Ozan Fidan	<i>CEO, Ozan Fidan Pharmaceutical and Translational Medicine Consultancy, Ankara, Türkiye</i> Morphine for painkilling of vertebrates in the era of metaverse
13:30	Krystyna Skalicka-Woźniak	<i>Professor, Medical University of Lublin, Poland</i> Liquid-liquid preparative techniques and the in vivo zebrafish model – modern platform for searching for biologically active compounds
14:00		Closing Remarks
Lunch Buffet		

Call for Abstracts

We encourage all young scientists to submit their contribution within one of the main topics:

- Analytical Studies
- Natural Products Chemistry
- Phytopharmacology & Extract Pharmacology
- Dermatology & Phytocosmetics
- Natural Products Formulation
- Ethnopharmacology
- Breeding & Cultivation
- Veterinary Phytomedicine & Animal Health
- Bioactive Natural Products
- Biosynthesis
- Regulatory Affairs

We expect compelling lectures and posters in all these areas!

To stimulate maximum interaction between leading experts in the field and young scientists, all applications will be reviewed by the scientific committee, followed by a ranking to guarantee a distribution of available places among all qualified applicants from the various countries and institutions.

Our meeting website (phytovalley.org) provides all information for submission either for oral or poster presentation.

To submit an abstract, you have to sign-up for the conference first.

Looking forward to your contribution!



List of invited Speakers and Chairpersons

Christoph Abels	Research and Development, Bionorica SE, Germany
Rudolf Bauer	Department of Pharmacognosy, Institute of Pharmaceutical Science, University of Graz, Austria
Danilo Corradini	National Research Council, Rome, Italy
Xaver Dopfer	Allgäuer Ölmühle, Germany
Ilkay Erdogan-Orhan	Institute of Pharmacy, Gazi University, Ankara, Türkiye
Ozan Fidan	Ozan Fidan Pharmaceutical and Translational Medicine Consultancy, Ankara, Türkiye
Lukas Huber	Institute of Cell Biology, Medical University of Innsbruck, Austria
Bernhard Irrgang	R&D Natural and Organic Cosmetics, Weleda A.G., Switzerland
Andreas Koeberle	Michael Popp Institute, University of Innsbruck, Austria
Norbert Mehlmer	Systems Biology, Department of Chemistry, TUM, Munich, Germany
Julia Mößlacher	Pharmaceutical Technology and Biopharmaceutics, Paracelsus Medizinische Privatuniversität, Salzburg, Austria
Surapol Natakankitkul	Society of Cosmetic Chemists of Thailand
Judith Rollinger	Division of Pharmacognosy, University of Vienna, Austria
Krystyna Skalicka-Woźniak	Medical University of Lublin, Poland
Leandros Skaltsounis	Department of Pharmacy, University of Athens, Greece
Hermann Stuppner	Institute of Pharmacy/Pharmacognosy, University of Innsbruck, Austria
Manuel Valiente	Department of Chemistry, Centre GTS, Universitat Autònoma de Barcelona, Spain
Jean-Luc Wolfender	Faculty of Sciences, School of Pharmaceutical Sciences, University of Geneva, Switzerland
Evelyn Wolfram-Schilling	Zurich University of Applied Sciences and Ricola Group AG, Switzerland

Austrian Drug Screening Institute GmbH

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