

Austrian Drug Screening Institute GmbH

Phytovalley[®]-Tirol



Austrian Summit on Natural Products

Science and Technology behind
Phytopharmacy, Phytocosmetics and Phytonutrition

March 16 - 19, 2025
Seefeld, Tyrol, Austria

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Science and Technology behind Phytopharmacy, Phytocosmetics and Phytonutrition

March 16 - 19, 2025 | Seefeld, Tyrol, Austria

Organizing Committee

Prof. Dr. Dr.h.c. Günther Bonn, Innsbruck, Austria
Dr. Thomas Jakschitz, Innsbruck, Austria
Dr. Oliver Lutz, Innsbruck, Austria
Theodor Braun, M.Sc., B.A., Innsbruck, Austria
Dr. Maurizio Ferrara, San Lorenzo Maggiore, Italy
Mag. Gökhan Senli, Innsbruck, Austria

Scientific Committee

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Prof. Dr. Thomas Brück, Munich, Germany
Prof. Dr. Franz Bucar, Graz, Austria
Prof. Dr. Danilo Corradini, Rome, Italy
Prof. Dr. Ilkay Erdogan Orhan, Ankara, Türkiye
Dr. Ozan Fidan, Zirl, Austria
Dr. Douglas T. Gjerde, California, USA
Prof. Dr. Lukas A. Huber, Innsbruck, Austria
Prof. Dr. Christian Huck, Innsbruck, Austria
Dr. Bernhard Irrgang, Arlesheim, Switzerland
Prof. Dr. Christian W. Klampf, Linz, Austria
Prof. Dr. Luigi Mondello, Messina, Italy
Prof. Dr. Simone Moser, Innsbruck, Austria
Prof. Dr. Krystyna Skalicka-Woźniak, Lublin, Poland
Prof. Dr. Leandros Skaltsounis, Athens, Greece
Prof. Dr. Hermann Stuppner, Innsbruck, Austria
Prof. Dr. Jean-Luc Wolfender, Geneva, Switzerland
Dr. Evelyn Wolfram, Wädenswil, 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 initiative of the Austrian Drug Screening Institute (ADSI), a research institute of the University of Innsbruck aiming at promoting phytosciences in Austria. The conference will cover the topics of

- Phytopharmacy,
- Phytocosmetics and
- Phytonutrition

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

The **Austrian Summit on Natural Products** aims to improve the efficiency of phyto-logical 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 phyto-related 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, 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 16, 2025

ALPIN RESORT SACHER

18:00 **WELCOME RECEPTION**

19:00 GALA DINNER – A Tyrolean Night

Venue

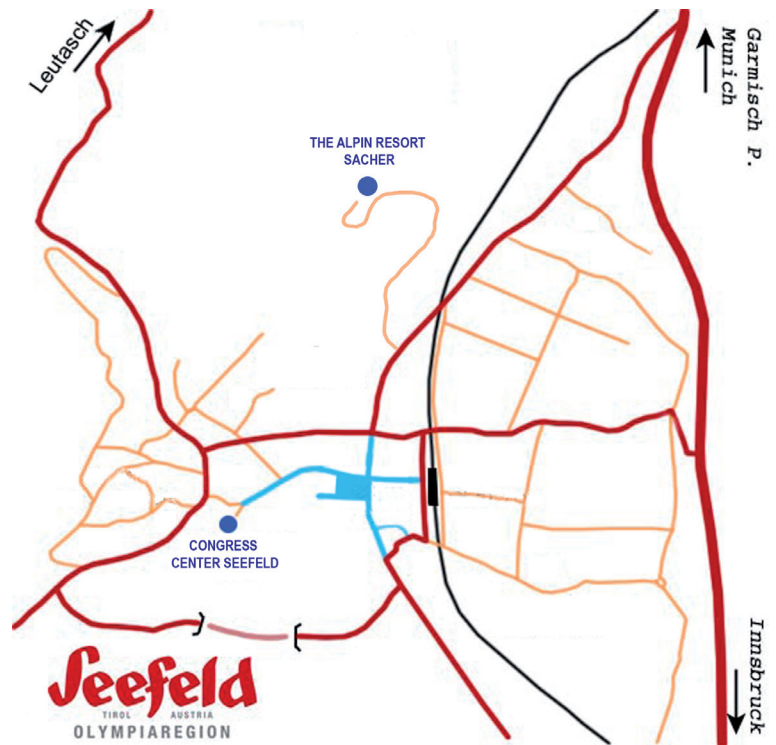
CONGRESS CENTER SEEFELD
Klosterstraße 600
6100 Seefeld
<https://www.kongress-seefeld.at/en/>

Conference Hotel

ALPIN RESORT SACHER
Geigenbühelstraße 185
6100 Seefeld
<https://seefeld.sacher.com/en/>

Get Together Location

Astoria Alm by Alpin Resort Sacher
Bahnhofstraße 124
6100 Seefeld
<https://seefeld.sacher.com/en/alm/>



Alpin Resort Sacher



Chapel Seekirchl (Heiligkreuzkirche)



Village of Seefeld

Monday, March 17, 2025 – Morning

CONGRESS CENTER SEEFELD

08:00	START OF REGISTRATION	
08:30	OPENING	
	Günther Bonn Franz Fischler	<i>CEO & Scientific Director, Austrian Drug Screening Institute, University of Innsbruck, Austria</i> <i>Chairman, ADSI Advisory Board, Former Minister and EU-Commissioner</i>
08:50	PLENARY LECTURE	
	Thomas Brück	<i>Professor, Head, Werner Siemens-Chair of Synthetic Biotechnology, TU Munich, Germany</i> Circularity in the food and cosmetic industry – Biocatalytic routes for generation of high value cosmetic and pharmaceutical ingredients from industrial waste streams
	Break	
PHYTOPHARMACY I		
Chair: R. Bauer		
09:30	Simone Moser	<i>Professor, Head, Department of Pharmacognosy, Institute of Pharmacy, University of Innsbruck, Austria</i> Plant-derived bilins: Analytical strategies, structural insights, and bioactive potential
09:55	Rudolf Bauer	<i>Professor, Head, Institute of Pharmaceutical Sciences, University of Graz, Austria</i> Holistic methods for quality control of herbal medicinal products in the European Pharmacopoeia
10:20	Judith Rollinger	<i>Professor, Department of Pharmaceutical Sciences, Division of Pharmacognosy, University of Vienna, Austria</i> Natural product drug discovery in the digital era
	Coffee Break	
PHYTOPHARMACY II		
Chair: J.-L. Wolfender		
11:05	Krystyna Skalicka-Wozniak	<i>Professor, Medical University of Lublin, Poland</i> Butterbur and migraine: Investigating its therapeutic mechanism
11:30	Domenico Montesano	<i>Research Director, Research & Development, Erbagil, Telese, Italy</i> Ozoile® stable ozonides: A new frontier in the world of natural substances for therapeutic use
11:55	Magdalena Buszewska-Forajta	<i>Professor, Veterinary Medicine, Faculty of Biological and Veterinary Sciences, Nicolaus Copernicus University in Toruń, Poland</i> Cyclitols: Unlocking their potential as therapeutic agents
12:20	Norbert Mehlmer	<i>Group Leader Systems Biology, TU Munich, Germany</i> Genomic approaches to plant-based pharmaceutical terpenes
	Lunch Break	

Monday, March 17, 2025 – Afternoon

CONGRESS CENTER SEEFELD

PHYTOPHARMACY III		
Chair: S. Moser, D. Corradini		
13:35	Luigi Mondello	<i>Professor, Pharmaceutical and Environmental Sciences Department, University of Messina, Italy</i> Untargeted metabolomic profile of foods, herbs and spices through ambient mass spectrometry techniques
14:00	Geppino Falco	<i>Professor, Department of Biology, University of Naples Federico II, Naples, Italy</i> Ozoile® stable ozonides in cellular homeostasis processes
14:25	Surapote Wongyai	<i>Professor, Dean, College of Health and Wellness, Dhurakij Pundit University, Bangkok, Thailand</i> Research and development of traditional Thai herbal medicine for non-communicable diseases in modern time: The challenge in natural products research
14:50	Jean-Luc Wolfender	<i>Professor, Phytochemistry and Bioactive Natural Products, University of Geneva, Switzerland</i> Exploration of large metabolomics knowledge graph frameworks and NMR-MS dereplication strategies for the cherry-picking of valuable NPs
Coffee Break		
PHYTOPHARMACY IV		
Chair: L. Skaltsounis, I. Erdogan-Orhan		
15:40	Franz Bucar	<i>Professor, Pharmacognosy, Institute of Pharmaceutical Sciences, University of Graz, Austria</i> Antiadipogenic potential of lemon fruits
16:05	Siqi Liu	<i>Professor, Co-founder Beijing Genome Institute, Department of Mathematical Sciences, Beijing, P. R. China</i> Spatially resolved proteomics surveys the chemo-refractory proteins related to high-grade serous ovarian cancer
16:30	Rudolf Marchart	<i>Waldland Holding GmbH, Friedersbach, Austria</i> Cultivation and processing of medicinal plants in Austria for the pharmaceutical industry
16:55	Lukas Huber	<i>Professor, Director, Institute of Cell Biology, Medical University of Innsbruck, Austria</i> The ADSI platform for testing anti-inflammatory natural products: Results and outlook
17:20	Klaus Weinberger	<i>CEO, Health Hub Tirol, Austria</i> Health Hub Tirol – An ecosystem for successful innovation in the life sciences
19:30	OPERA NIGHT at Alpin Resort Sacher Performance of famous opera singer Univ.-Prof. Ildikó Raimondi	

Tuesday, March 18, 2025 – Morning

CONGRESS CENTER SEEFELD

PHYTOPHARMACY V

Chair: **H. Stuppner, S. Schwarzinger**

09:00	Annamaria Nifo	<i>Professor, Applied Economics, University of Sannio, Italy</i> Biopharma and biocosmetics: Industrial challenges and perspectives
09:25	Bernhard Irrgang	<i>Head of Research & Development, Weleda, Arlesheim, Switzerland</i> How does certification for natural cosmetic products work?
09:50	Fred Eickmeyer	<i>Head of ESKUSA GmbH, Germany</i> Breeding and services around Arnica montana in ESKUSA – Effects on cultivation
10:15	Paola Dugo	<i>Professor, Food Chemistry, University of Messina, Italy</i> Chemical characterization of Rhus Coriaria extracts using advanced analytical techniques
10:40	Roy Upton	<i>Executive director and Editor, American Herbal Pharmacopoeia, Soquel, USA</i> WHO global summit for traditional medicine – Opportunities for the future of botanical medicine

Coffee Break

PHYTOPHARMACY VI

Chair: **E. Wolfram, C. W. Klampfl**

11:25	Christian Huber	<i>Professor, Pharmacognosy, Institute of Pharmaceutical Sciences, University of Graz, Austria</i> Extracellular vesicles: A new concept of medication derived from natural resources
11:50	Benedikt Schwarz	<i>Austrian Drug Screening Institute, Innsbruck, Austria</i> Rapid quantification method for toxic pyrrolizidine alkaloids in herbal drugs
12:15	Christian Huck	<i>Professor, Head, Institute of Analytical Chemistry and Radiochemistry, University of Innsbruck, Austria</i> Advanced analytical strategies and artificial intelligence for phytopharmaceuticals: Unlocking nature's potential with spectroscopy
12:40	Katarzyna Gawel-Beben	<i>Professor, Dean, The Cell and Tissue Culture Laboratory, The University of Information Technology and Management in Rzeszów, Poland</i> Achillea species – Modern approaches to traditional herbal medicines

Lunch Break

Tuesday, March 18, 2025 – Afternoon

CONGRESS CENTER SEEFELD

PHYTONUTRITION I		
Chair: L. Mondello, K. Skalicka-Wozniak		
14:05	Rudolf Krska	<i>Head, Institute of Bioanalytics and Agro-Metabolomics, Department of Agricultural Sciences, IFA-Tulln, Austria</i> Advancing the accurate quantification of plant and fungal secondary metabolites for improved plant, animal and human health
14:30	Evelyn Wolfram	<i>Chair, European Scientific Cooperative on Phytotherapy (ES COP), Switzerland</i> Active botanical ingredients in pharma, food, medical devices and cosmetics – The role of monographs for quality, safety and efficacy
14:55	Michael Oberhuber	<i>Director, Laimburg Research Centre, Italy</i> Natural products – The next generation of plant protection?
15:20	Tim Leykauf	<i>PhytoLab GmbH & Co. KG, Vestenbergsgreuth, Germany</i> High-performance thin-layer chromatography and the universal HPTLC mix (UHM) in the European Pharmacopoeia
15:45	Manfred Berger	<i>Wilder Kaiser Chocolate – MD & Partner, Kössen, Tyrol, Austria</i> How to use high-quality chocolate as a carrier medium for exciting additives?
Coffee Break		
PHYTONUTRITION II		
Chair: C. Huck, C. Huber		
16:30	Leandros Skaltsounis	<i>Professor, Section of Pharmacognosy and Natural Product Chemistry, University of Athens, Greece</i> New insights into Olea Europaea chemistry and biology
16:55	Xaver Dopfer	<i>CEO & Founder, Allgäuer Ölmühle, Germany</i> Micronisation of plant proteins for increased bioactivity
17:20	Maria Halabalaki	<i>Professor, Pharmacognosy and Natural Products Chemistry, University of Athens, Greece</i> Omics approaches in food bioactives
17:45	Stephan Schwarzingler	<i>North Bavarian NMR Centre (NBNC) Bayreuth, Germany</i> Non-target analytics to secure natural products supply chain
18:10	Wolfram Brück	<i>President, Swiss Food Research, Zurich, Switzerland</i> Targeted fermentation of plant-based food sidestreams
18:35	Danilo Corradini	<i>Professor, Institute for Biological Systems, National Research Council, Rome, Italy</i> Selenium-mediated elicitation of bioactive compounds in edible plants
19:00	Ozan Fidan	<i>Gipfel Life Sciences, Zirl, Austria</i> Honey adulteration
19:45	GET TOGETHER at Astoria Alm by Alpin Resort Sacher	

Wednesday, March 19, 2025 – Morning

CONGRESS CENTER SEEFELD

PHYTICOSMETICS I		
Chair: G. Bonn		
08:30	Katharina Seidl	<i>Curator and Head of Art Education, Ambras Castle Innsbruck, Austria</i> The beauty secrets and healing arts of Philippine Welser
08:55	Saliou Ngom	<i>Senior Principal Scientist & Platform Leader, L'Oréal, Paris, France</i> Development of sustainable and high performing cosmetic ingredients: From proven plant extract to the largely untapped potential of microalgae
09:20	Simona Staiger	<i>Scientific officer, Weleda, R&D Cosmetics, Actives Development, Arlesheim, Switzerland</i> From seed to peel – Upcycling a well-known fruit
09:45	Lorène Gourguillion	<i>Head of Advanced Biobased & Bioinspired Ingredients Unit, LVMH Perfumes & Cosmetics, Paris, France</i> Unlocking the secrets of Rose de Granville: Phytochemical insights and active ingredients innovation
10:10	Ilkay Erdogan-Orhan	<i>Professor, Lokman Hekim University, Ankara, Turkiye</i> Natural ingredients and nanotechnology for enhanced skin care and wellness
Coffee Break		
PHYTICOSMETICS II		
Chair: T. Brück		
11:05	Theodor Braun	<i>Austrian Drug Screening Institute, Innsbruck, Austria</i> Challenges in the interpretation of biological results of artificial skin models at ADSI
11:30	Christophe Hano	<i>Professor, Institute of Organic and Analytical Chemistry, University of Orléans and the French National Center for Scientific Research CNRS, France</i> GREENCOSMIN: Biotechnology and green chemistry as a source of inspiration and innovation for new cosmetic ingredients – Examples from the Loire valley region
11:55	Julia Mösslacher	<i>Head of Innovation, hollu GmbH & Innovation Consultant, Cura Cosmetics Group</i> Phytochemical prevention: Boosting sun protection with natural ingredients
12:20	Günther Bonn	Closing Remarks
End of Meeting		

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!



This conference is organized and hosted by the Austrian Drug Screening Institute GmbH (ADSI), a research institute of the University of Innsbruck.

Austrian Drug Screening Institute GmbH

Phytovalley®-Tirol



In cooperation with



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Bundesministerium Bildung, Wissenschaft und Forschung

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