

Austrian Drug Screening Institute GmbH

Phytovalley[®]-Tirol



Austrian Summit on Natural Products

Science and Technology behind
Phytopharmacy, Phytocosmetics and Phytonutrition

March 3 - 6, 2024
Seefeld, Tirol, Austria

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Science and Technology behind Phytopharmacy, Phytocosmetics and Phytonutrition

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Organizing Committee

Prof. Dr.Dr.h.c. Günther Bonn, Innsbruck, Austria
DI Dr. Thomas Jakschitz, Innsbruck, Austria
Dr. Oliver Lutz, Innsbruck, Austria
Mag. Gökhan Senli, Innsbruck, Austria

Scientific Committee

Prof. Dr. Rudolf Bauer, Graz, Austria
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, Innsbruck, Austria
Prof. Dr. Christian Huck, Innsbruck, Austria
Dr. Bernhard Irrgang, Arlesheim, Switzerland
Prof. Dr. Luigi Mondello, Messina, Italy
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.

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-logical products. Moreover, contributions including the research & development of new innovative phyto-products addressing the customer needs are particularly welcome.

The conference is organized by the Austrian Drug Screening Institute GmbH (ADSI), a research institute of the University of Innsbruck 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 3, 2024

ALPIN RESORT SACHER

18:00	GET TOGETHER and WELCOME RECEPTION
19:00	Gala Dinner

Venue

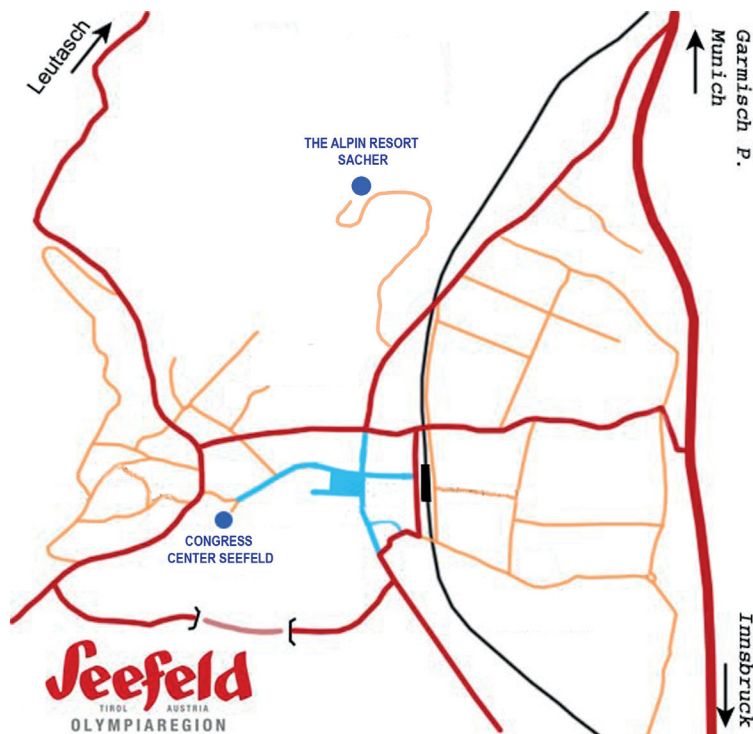
CONGRESS CENTER SEEFELD
Klosterstraße 600
6100 Seefeld
<https://www.kongress-seefeld.at/en/>

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/>



Monday, March 4, 2024 – Morning

CONGRESS CENTER SEEFELD

08:00	START OF REGISTRATION	
08:30	OPENING CEREMONY	
	Günther Bonn	CEO & Scientific Director, Austrian Drug Screening Institute GmbH, University of Innsbruck, Austria
	Cornelia Hagele	State Council for Health, Care, Education, Science and Research, Tyrol, Austria
	Gregor Weihs	Vice Rector for Research, University of Innsbruck, Austria
08:45	PLENARY LECTURE	
	Nina Ruge	Scientific Journalist, Bestselling Author, staYoung Media GmbH, Munich, Germany
		HEALTHY LONGEVITY – «The Next Big Thing” ...for Business, Society, Health Systems – and for everybody. Let’s start with phytochemicals!
	Coffee Break	
	PHYTOPHARMACY I	
	Chair: Christian Huber	
09:35	Thomas Brück	TU Munich, Germany
		Sustainable production of specialty and bioactive ingredients by application of synthetic biotechnology principles – a route to a circular bioeconomy for the for the cosmetic and pharma industry
10:05	Rudolf Bauer	University Graz, Austria
		New developments within herbal drug monographs in the European Pharmacopoeia
10:35	Nazim Sekeroglu	Gaziantep University, Türkiye
		Chemical profile and bioactivity of the residues in some medicinal plants by-products
11:05	Lukas A. Huber	Medical University of Innsbruck, Austria
		t.b.a.
11:35	Franz Bucar	University Graz, Austria
		Plant natural products as inhibitors of bacterial adhesion and biofilm formation
12:05	Jean-Luc Wolfender	University Geneva, Switzerland
		Automated compositional assessment of plant extracts: where are we now
	Lunch Break	

Monday, March 4, 2024 – Afternoon

CONGRESS CENTER SEEFELD

PHYTOPHARMACY II

Chair: **Rudolf Bauer**

13:35	Christoph Abels	<i>Bionorica SE, Neumarkt, Germany</i> Emollients and Emollients Plus for medical skin care of very dry or eczema-prone skin
14:05	Christian Huck	<i>University of Innsbruck, Austria</i> t.b.a.
14:35	Andreas Köberle	<i>Michael Popp Research Institute, University of Innsbruck, Austria</i> From cannabis to therapeutic innovation: Targeting lipid mediator networks for inflammation control
15:05	Norbert Mehlmer	<i>TU Munich, Germany</i> Metagenomic studies on polyketide and terpene based pharmaceutical compounds in lichens and plants

Coffee Break

PHYTOPHARMACY III

Chair: **Jean-Luc Wolfender**

15:50	Evelyn Wolfram	<i>Zurich University of Applied Sciences, Switzerland</i> Monographs and scientific literature as the basis of evidence for phytotherapeutics and herbal supplements – challenges and perspectives
16:20	Nadine Truchan	<i>Evonik, Germany</i> Pioneering in biosurfactant for next generation personal hygiene products
16:50	Marion Ringel	<i>TU Munich, Germany</i> Engineering a versatile biocatalyst – insights into terpene synthases' biochemistry
17:20	Alban Karlseder	<i>Bionorica Research, Innsbruck, Austria</i> Multivariate image analysis – improving objectivity in HPTLC analysis

19:00 Viennese Jazz Night with Jack Marsina & Flo's Jazz Casino
at Alpin Resort Sacher

Tuesday, March 5, 2024 – Morning

CONGRESS CENTER SEEFELD

09:00	OPENING CEREMONY DAY 2	
	Wolfgang Fleischhacker <i>Rector, Medical University of Innsbruck</i>	
	PHYTOPHARMACY IV	
	Chair: Thomas Brück	
09:15	Christian Huber	<i>University Salzburg, Austria</i> Digging in the universe of proteoforms of plant allergens using chromatography and mass spectrometry: a tough nut to crack!
09:45	Ilkay Erdogan-Orhan	<i>Gazi University, Ankara, Türkiye</i> Neuroprotection by plant phenolics: promising preclinical evidence from Drosophila to Zebra Fish
10:15	Krystyna Skalicka-Wozniak	<i>Medical University Lublin, Poland</i> Investigations into the pharmacokinetics and possible neuropharmacological modes of action using zebrafish model
10:45	Ozan Fidan	<i>Gipfel Life Sciences, Zirl, Austria</i> AI-driven kampo medicine: versatile algorithms for contextualization of Japanese Traditional Medicine
11:15	Danilo Corradini	<i>National Research Council, Rome, Italy</i> Capillary electrophoresis of phytochemicals: current and novel approaches
11:45	Sevgi Gezici	<i>Gaziantep University, Türkiye</i> Emerging phytochemical-based drug delivery approaches on plant exosome-like nanovesicles and mechanisms of action in cancer
	Lunch Break	

Tuesday, March 5, 2024 – Afternoon

CONGRESS CENTER SEEFELD

PHYTICOSMETICS I		
Chair: Günther Bonn		
13:30	Saliou Ngom	<i>L'Oréal, Paris, France</i> Crocus sativus (saffron) stigma extract: an innovative and sustainable ingredient to improve skin protection and quality
14:00	Bernhard Irrgang	<i>Weleda A.G., Arlesheim, Switzerland</i> How the natural sector is touched by new legislative initiatives in the EU
14:30	Lorène Gourguillon	<i>LVMH Perfumes & Cosmetics, Paris, France</i> Phytochemical study of honey, a promising active ingredient for cosmetic
15:00	PANEL DISCUSSION	
	Discussants	Dirk Rupnow, Christoph Abels, Jean-Luc Wolfender, Thomas Brück, Bernhard Irrgang
	Coffee Break	
PHYTICOSMETICS II		
Chair: Thomas Jakschitz		
16:00	Surapol Natakankitkul	<i>Chiang Mai University, Thailand</i> Phytocosmetics – the megatrends in cosmetic industry in Asia for 2024
16:30	Julia Mösslacher	<i>University of Salzburg, Austria</i> Beyond beautiful: plant-based ingredients ensuring product performance (and why this will matter to consumers in 2024)
17:00	Maria Halabalaki	<i>University of Athens, Greece</i> Green chemistry and biotechnology approaches for the development of nature-based cosmetics – GreenCosmIn
17:30	Theodor Braun	<i>Austrian Drug Screening Institute GmbH, Innsbruck, Austria</i> 2D and 3D screening at the ADSI with cross linkage of chemistry and biology
17:50	Aikaterini Argiropoulou	<i>University of Athens, Greece</i> Chemical and biological evaluation of Greek biodiversity for the discovery of novel cosmetic agents
19:00	Get together at Astoria Alm by Alpin Resort Sacher	

Wednesday, March 6, 2024 – Morning

CONGRESS CENTER SEEFELD

PHYTONUTRITION I		
Chair: Danilo Corradini		
09:00	Luigi Mondello	<i>University Messina, Italy</i> Advanced analysis of lipids in food using multidimensional comprehensive chromatography approaches
09:30	Leandros Skaltsounis	<i>University of Athens, Greece</i> Olea europaea: a compelling source of health promoting biomolecules and an inspiration for the semi-synthetic design of bioactive analogues
10:00	Michael Oberhuber	<i>Research Centre Laimburg, Italy</i> Harnessing natural products and biological control for food security in the OMICS era
10:30	Xaver Dopfer	<i>Allgäuer Ölmühle, Germany</i> t.b.a.
Coffee Break		
PHYTONUTRITION II		
Chair: Leandros Skaltsounis		
11:10	Stephan Schwarzinger	<i>University Bayreuth, Germany</i> The analytical supply blockchain for olive oil: the role of NMR spectroscopy and AI
10:40	Shah Hussain	<i>Austrian Drug Screening Institute GmbH, Innsbruck, Austria</i> Crafting plant-driven progress: advanced screening for dynamic phytopharmaceuticals, phytocosmetics, and phytonutrition products – from raw essence to finished excellence
12:00	Solveigh Köberle	<i>Michael Popp Institute, University of Innsbruck, Austria</i> Identification of natural products that hijack endogenous redox cycles as potent inhibitors of ferroptotic cell death
12:30	Mona Ernst	<i>Phytolab, Germany</i> t.b.a.
13:00	Patrizia Gürth	<i>Austrian Drug Screening Institute GmbH, Innsbruck, Austria</i> Esterification kinetics analysis: a comparative examination of morphine hydrochloride against the EP method
13:20	Raquel Lima & Helmut Weidlich	<i>Institut Kurz, Germany</i> ADME: simulating the journey of nutritional molecules in the human body
13:50	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!

Phytovalley®-Tirol



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Austrian Drug Screening Institute

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



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