

OBERGURGL (Tyrol, Austria)

Obergurgl (Tyrol) is a mountain village located close to the end of Ötztal valley surrounded by glacier-topped 3,000 m high peaks at almost 2,000 m above sea level. Also called "Tyrol's Glacier Village" and owing to its high alpine altitude location, it is an exquisite starting point for summer and winter mountain excursions, adventures, and leisure activities.

The University Center Obergurgl is located at 1,940 m above sea level right by the hiking paths and ski slopes, and within five minutes of walking distance to the heart of the village. The Center comprises historical "alpine style" buildings that have been carefully refurbished, and are equipped with the latest technology for conferences, workshops, research, sports, and recreation.



Why attend ASCOS 2022 ?

ASCOS has become a leading international course for training on optical chemo- and biosensors and (bio)sensor arrays including aspects of signal transduction, materials, interface architecture, molecular recognition, microfluidics, and sensor applications.

ASCOS is much more than a conference – it brings together young scientists and renown tutors in a relaxed atmosphere that favors interactive learning and creativity!

Many of your ASCOS contacts will last beyond the course forming an international network of "optical sensor peers"!

REGISTRATION & INFORMATION

ASCOS Fee

The registration fee covers the admission to the course, accommodation (seven nights) with full board, conference materials, coffee breaks, welcome reception and social programme.

The registration fee is 950 €.

Students in need may apply for a discounted registration fee (600 €), which will be provided to a limited number of participants.

Further details and the grant application form can be found at: www.uni-ulm.de/iabc

Please click on the ASCOS Logo!

Chairs of ASCOS 2022

Prof. Boris Mizaikoff

Ulm University & Hahn-Schickard, Germany

Prof. Christian Huck

University of Innsbruck, Austria

Contact Details & Course Secretariat

Ms. Monja Claus

Ulm University

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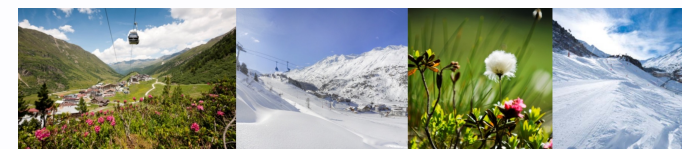
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12th Advanced Study Course on Optical Chemical Sensors

October 15 - 22, 2022 – Obergurgl (Austria)



Optical (bio)sensing for life science and environmental applications



GENERAL INFORMATION

ASCOS

The Advanced Study Course on Optical Sensors is an ECTS accredited European initiative to establish an education, discussion and contact platform for young researchers working in the rapidly growing field of optochemical sensors and biosensors. ASCOS is a biennial event held each time in a different European country. To guarantee the most efficient study, ASCOS combines tutorial lectures on basic principles of different optical chem/bio sensor techniques and students work in groups on a number of (bio)analytical problems or sensor systems provided at the start of the course.

TOPICS

Fundamentals of sensing techniques and bioassays

- Absorbance and fluorescence
- Chemi- and bio-luminescence
- IR & Raman methods
- Fiber-optics and optoelectronic components
- SPR and other label-free detection techniques
- DNA- and protein array technology
- Microfluidics & lab-on-a-chip systems
- Supramolecular sensors & bio-mimetic receptors
- Probes and sensors for cellular parameters

Practical applications

- Environmental monitoring and biodefense
- System integration
- Commercial sensors
- Point-Of-Care testing
- Intracellular biosensing

CONFIRMED TUTORIAL SPEAKERS

- Francesco Baldini (CNR-IFAC, Firenze, Italy)
- Christian Huck (Univ. Innsbruck, Austria)
- Artur Dybko (Univ. Warsaw, Poland)
- Ambra Giannetti (CNR-IFAC, Firenze, Italy)
- Jirí Homola (IPE, Acad. Sciences, Prague, CZ)
- Pedro Jorge (INESC TEC, Porto, Portugal)
- Martin Kraft (CHASE GmbH, Austria)
- Laura M. Lechuga (ICN², Barcelona, Spain)
- Frances Ligler (Texas A&M University, USA)
- George Ligler (Texas A&M University, USA)
- Aleksandra Lobnik (Univ. Maribor, Slovenia)
- Maria J. Marin (Univ. of East Anglia, Norwich, UK)
- Boris Mizaikoff (Ulm Univ., Germany)
- Gerhard Mohr (Joanneum Research GmbH, Austria)
- Maria C. Moreno-Bondi (Univ. Complutense, Spain)
- Guillermo Orellana (Univ. Complutense, Spain)
- Dmitri Papkovsky (Univ. College Cork, Ireland)
- Romeo Bernini (CNR-IREA, Napoli, Italy)
- Sabeth Verpoorte (Univ. Groningen, the Netherlands)
- Otto Wolfbeis (Univ. Regensburg, Germany)



IMPORTANT DATES

- Registration & grant application: July 31, 2022
- Notification of acceptance: August 12, 2022
- Final registration: August 26, 2022
- Payment due: September 2, 2022

ASCOS COMMITTEE

Executive Committee

Francesco Baldini (CNR-IFAC, Firenze, Italy)
Otto Wolfbeis (Univ. Regensburg, Germany)
Jirí Homola (IPE, Acad. Sciences, Prague, CZ)
Martin Kraft (CHASE GmbH, Austria)

Advisory Board

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Artur Dybko (Univ. Warsaw, Poland)
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**Celebrating 25 years
of ASCOS !
... from Neusiedl to Obergurgl ...**