



Travel information

By car

Semmering is situated 7 km from the S6 Semmering motorway and 90 km from Vienna.

<http://www.touristcam.at/routenplaner.php>

By train

More than 20 trains stop every day at the Semmering railway station, coming from Vienna and Graz. <http://www.oebb.at>

By airplane

The Vienna airport is only 100 km from Semmering. Using a car – please follow the High Way in the direction to Graz via the High Way S1.

Artis Hotel Semmering

Telephone: ++43 (0) 2664 8641-512 ask for Ms. Jennifer Lindner

Telefax: ++43 (0) 2664 8641-553

e-mail: office@artis-semmering.at

homepage: <http://www.artis-semmering.at>

Semmering

The Semmering resort is located about 1000m above sea level in a marvellous mountain region. The surroundings include the world's first mountain railway, which was constructed in the 1850's and is part of the Unesco world heritage. With 16 spectacular viaducts, 15 tunnels, 142 vertical structures, 129 bridges, modelled rock faces and supporting walls, it was built in only six years.

Semmering became a famous meeting area for monarchical society and hosted as well such prominent visitors as Schnitzler, Werfel, Kokoschka, Brahms, Mahler, and Schönberg. This historic atmosphere has been preserved.



reGenerate



ESAO
Winter School 2011
 January 26th-29th, 2011



Advancing Roles: Biomaterials in Artificial Organs and Regenerative Medicine *Passive to Active to Bioreactive*

A joint activity of the European Society of Artificial Organs
 and the American Society for Artificial Organs
 together with EEIG Regenerate

and organised by
**FP7 Marie Curie Industry-Academia Partnerships and
 Pathways (IAPP) MONACO-EXTRA project (218242)**

Artis Hotel Semmering, Austria



Mission of the ESAO Winter School

- To provide high level education in specific fields of artificial organs
- To teach the teachers
- To provide interaction among scientific participants in an attractive atmosphere

Scientific Committee

Chairs: Dieter Falkenhagen (Krems), Edward F Leonard (New York), Sergey Mikhailovsky (Brighton), Hans Jörg Meisel (Halle/Saale), Heinrich Schima (Vienna), Viktoria Weber (Krems)

Jadranka Buturovic-Ponikvar (Ljubljana), Birgit Glasmacher (Hannover), C. James Kirkpatrick (Mainz), Andrew Lloyd (Brighton), Gary Philips (Brighton), Rafael Ponikvar (Ljubljana), Gerhard Rakhorst (Groningen), Rui L. Reis (Caldas das Taipas), Mairead Stickings (Brighton), Jörg Vienken (Bad Homburg), Beat Walpoth (Geneva), Jan Wojcicki (Warsaw)

Organising Committee

Anita Aichinger (Krems)

Questions regarding this conference may be directed to either the chairs (program and content) or to the congress office (arrangements).

Congress office:

ESAO office: Anita Aichinger
Dr. Karl Dorrek Str. 30, A-3500 Krems
Tel.: ++43-(0)2732/893-2633
Fax: ++43-(0)2732/893-4600
E-mail: anita.aichinger@donau-uni.ac.at
homepage: www.esao.org

Contact for meeting content:

Dieter Falkenhagen
Tel.: +43/2732/893/2600
E-mail: dieter.falkenhagen@donau-uni.ac.at
Sergey Mikhailovsky
Tel.: +44 (0)1273 642034
E-mail: S.Mikhailovsky@bton.ac.uk

This Winter School will focus on four biomaterial topics:

- **Optimization of biocompatibility (blood- and tissue compatibility)**
- **Enhancing active characteristics of biomaterials, especially of membranes, adsorbents and scaffolds**
- **Interaction of biomaterials and cells - avoiding conflicts, increasing synergies**
- **New roles and functions for biomaterials**

New artificial organs and new approaches to organ failure require new biomaterials. Nanoscience and microfabrication techniques address this need. Steady progress has been made in controlling how material surfaces and cells interact with each other. Unwanted reactions can be avoided and desirable ones can be enhanced.

The meeting program juxtaposes cutting-edge approaches in organ therapy and replacement, new developments in the physical sciences and technology, and new discoveries in the basic biology of cells. A core group of international leaders in these areas will present and discuss how these innovations can come together to form a new era in the development of artificial organs.

Therefore, this meeting organised as a scientific school is an ideal meeting point for all academics having activities and interest in the field of biomaterials.

Homepage: www.esao.org/winterschool