ESAO Winter School 2018
Program
(Draft)

Therapeutic Apheresis, Biomaterials & Cellular Therapies
Semmering, Austria
January 25-27, 2018

www.esao.org/winterschool

Aims

- To provide high level education in specific fields of extracorporeal therapies (“teach the teachers”)
- To foster synergies between basic and applied science in an attempt to bring together biomaterial scientists, engineers, and clinicians

Scientific Committee (Chairs)

Viktoria Weber (Krems, Austria)
Volker Witt (Vienna, Austria)
Michael B. Fischer (Krems, Austria)

Organising Committee

Anita Aichinger (Krems, Austria)
Jens Hartmann (Krems, Austria)
Carla Tripisciano (Krems, Austria)

Contact

Anita Aichinger
ESAO Office
Danube University Krems
Dr.-Karl-Dorrek-Strasse 30
3500 Krems, Austria
Phone: +43 2732 893 2633
anita.aichinger@donau-uni.ac.at
Topics
- Coagulation & Anticoagulation
- Separation Techniques and Devices
- Applications of Apheresis and Clinical Outcome
- The Blood-Biomaterial Interface
- Innovative Methods and Functional Aspects

Venue
Sporthotel Semmering
Carolusstrasse 10
2680 Semmering
www.sporthotel-semmering.at

Hotel Reservation
Karoline Koller
Phone: +43 2664 8038 12
reservation@semmering.com

reservation code: WS2018

€ 83,- / € 103,- single room
€ 138,- / € 162,- double room
breakfast and dinner are included

Travel

By car
Semmering is located less than 10 km from the S6 motorway and 90 km from Vienna.

By train
More than 20 trains from Vienna and Graz stop at the Semmering railway station daily. http://www.oebb.at

By plane
Vienna International Airport is located 100 km from Semmering. Take the city airport train from the airport to Vienna, change train to Semmering. https://www.cityairporttrain.com; http://www.oebb.at

Semmering
Die Semmeringbahn (Semmering railway) is commonly referred to as the world's first true mountain railway, given the very difficult terrain and the considerable altitude difference that was mastered during its construction between 1848 and 1854 by some 20,000 workers under the direction of Carl Ritter von Ghega. The construction features 14 tunnels, 16 viaducts and over 100 curved stone bridges, as well as 11 iron bridges. Across an overall track length of 41 km, the Semmering railway overcomes an altitude difference of 460 m. It was built with the attempt of achieving a harmonious combination of technology and nature and contributed significantly to the opening of the Semmering region for tourism.

In the early 1900s, Semmering became one of the most decent resorts in Europe, with guests from the Austro-Hungarian monarchy and from all over Europe. It hosted composers, writers, actors, artists, and philosophers, such as Gustav Mahler, Alma Mahler-Werfel, Oscar Kokoschka, Josefine Baker, Arthur Schnitzler, Stefan Zweig, Joseph Roth, Hemito von Doderer, Carl Moll, and Ludwig Wittgenstein, just to name a few. Famous architects and designers such as Adolf Loos, Walter Gropius, Joseph Urban, and Koloman Moser were active for their prominent customers, and numerous hotels and mansions are witnesses of this era.

In 1998, the Semmering railway was added to the list of the UNESCO World Heritage Sites. Today, Semmering has kept much of its flair and is an attractive destination for winter sports, hiking, and leisure.
Thursday, January 25
16:30 – 16:45  Welcome
16:45 – 17:30  K. Derfler, Vienna (tbc)
title to be announced
17:30 – 18:15  P. Perseghin, Monza
The Growing Tree of Cell Therapy
19:30        The Semmering – A Historic Site
Dinner & Happy Hour

Friday, January 26
Session 1:  Coagulation & Anticoagulation
08:30 – 09:15  C. Mannhalter, Vienna
Principles of Coagulation
09:15 – 10:00  T. Slowinski, Berlin (tbc)
Anticoagulation in Extracorporeal Therapies
10:00 – 10:30  Coffee Break
Session 2:  Separation Techniques and Devices
10:30 – 11:00  V. Witt, Vienna
Separation Techniques in Apheresis: an Overview
11:00 – 11:30  J. Vienken, Usingen
Adsorbent-Based Systems
11:30 – 12:00  A. Campbell Ritchie, Nottingham (tbc)
Filter-Based Techniques
12:00 – 12:30  C. Legallais, Compiègne
Bioartificial Approaches
Session 3:  Applications of Apheresis and Clinical Outcome
16:00 – 16:45  G. Leitner, Vienna
Cellular Therapies

16:45 – 17:30  B. Stegmayr, Umea
Non-Cellular Therapies
17:30 – 18:00  J. Schwartz, New York
The Dilemma of Outcome in Apheresis

Poster Session
19:30        Dinner & Movie J. Vienken
"Dialysis and Extracorporeal Blood Circuits; when the movies were young!"

Saturday, January 27
Session 4:  The Blood-Biomaterial Interface
08:30 – 09:15  T. Groth, Halle
Biomaterials in Extracorporeal Therapies
09:15 – 09:45  V. Weber, Krems
Cellular Activation and Extracellular Vesicles in Extracorporeal Circuits
09:45 – 10:15  B. Giebel, Essen (tbc)
Cellular Activation and Extracellular Vesicles in Blood Products
10:15 – 10:30  Coffee Break
Session 5:  Innovative Methods and Functional Aspects
10:30 – 10:50  C. Kasper, Vienna
Cell Expansion and Differentiation using Bioreactors
10:50 – 11:10  MB. Fischer, Krems
Counter Flow Elutriation
11:10 – 11:40  W. Schwinger, Graz
T Cell Therapies
11:40 – 12:10  T. Felzmann, Vienna
Dendritic Cell Based Immunotherapies
12:10 – 12:30  V. Witt, Vienna
Concluding Remarks and Future Perspectives
Payment

Payment by Bank Transfer only

Payment Terms

Please ensure that your first name and family name or the name of your institution and the words “Registration fee ESAO Winter School 2018” appear on your bank transfer order.

Account Name: ESAO
Address: Danube University Krems
Dr.-Karl-Dorrek-Strasse 30
3500 Krems, Austria
Bank Details: Bank Austria Krems
Obere Landstrasse 19
3500 Krems, Austria
IBAN: AT48 1200 0039 7326 1511
BIC: BKAUATWW

Cancellation:
• until Dec. 10, 50% will be reimbursed
• after Dec. 10, no refund will be made

Registration Form

Last Name, Title:
First Name:
Institute:
Street:
Postal Code:
City:
State:
Country:
Phone/Fax:
E-mail:

Registration Fee

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Member of ESAO:</td>
<td>€ 200,-</td>
<td>€ 250,-</td>
</tr>
<tr>
<td>Non-Member:</td>
<td>€ 250,-</td>
<td>€ 300,-</td>
</tr>
<tr>
<td>Students:</td>
<td>€ 100,-</td>
<td>€ 150,-</td>
</tr>
</tbody>
</table>

Please fill in the form and reply to:

ESAO Office
Anita Aichinger, Dr.-Karl-Dorrek-Strasse 30, 3500 Krems, Austria
anita.aichinger@donau-uni.ac.at