



Scientific Committee

Viktoria Weber Krems, Austria
Michael B. Fischer Krems, Austria
Ulrich Kertzsch Berlin, Germany
Dimitrios Stamatialis Enschede, NL
Andrea Remuzzi Bergamo, Italy
Volker Witt Vienna, Austria

Organising Committee

Anita Aichinger, Tanja Eichhorn, Birgit Fendl,
Jens Hartmann, Carla Tripisciano, René Weiss
(all from Krems, Austria).

Contact

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Venue

Hotel Schloss Weikersdorf
Schlossgasse 9-11
2500 Baden
www.schlossweikersdorf.at

Reservation

Doris Albenberger
phone: +43 2252 4830 10
mail: reservation@schlossweikersdorf.at

reservation code: **WS2019**

€ 106,- single room
€ 150,- double room
breakfast and dinner are included

ESAO Winter School 2019 Program

Bioartificial Organs, Organ Support & Stem Cell Based Therapies

Baden, Austria
January 24-26, 2019

www.esao.org/winterschool



Thursday, January 24

- 16:30 - 16:45 **Welcome**
- 16:45 - 17:30 **Opening Lecture 1**
Contributors to Poor Outcomes in Mechanical Support Patients: Biophysical and Physiological Changes
Michael Simmonds, Southport, Australia
- 17:30 - 18:00 **Opening Lecture 2**
(Bio)artificial Organs: Future Developments from an Editor's Point of View
Andrea Remuzzi, Bergamo, Italy
- 19:00 **Dinner & Happy Hour**

Friday, January 25

- Session 1 Artificial & Bioartificial Organs I**
- 08:30 - 09:15 **Current Concepts in Kidney Support**
Joerg Vienken, Usingen, Germany
- 09:15 - 09:45 **Bioartificial Kidney: Opportunities and Challenges**
Dimitrios Stamatialis, Enschede, Netherlands
- 09:45 - 10:15 **Circulatory Support: Achievements, Current Challenges and Possibilities on the Horizon**
Heinz Schima, Vienna, Austria
- 10:15 - 10:45 **Coffee Break**
- Session 2 Artificial & Bioartificial Organs II**
- 10:45 - 11:30 **Liver Support and Bioartificial Liver**
Cécile Legallais, Compiègne, France
- 11:30 - 12:45 **The Perspective of Industry: Challenges in Developing Artificial & Bioartificial Organs**
Emanuele Gatti, Krems, Austria:
Funding and Financing
Giuliana Gavioli, Modena, Italy:
Presentation of the Tecnopolo Mirandola as Innovation Hub
Daniel Medart, Berlin, Germany:
Effect of Driving Pressure on VAD Flow Fields

Session 3 Rheological Aspects and Damage of Blood Cells

- 15:00 - 15:25 **Blood Damage Caused by Flow**
Ulrich Kertzscher, Berlin, Germany
- 15:25 - 15:50 **Blood - From Fluid to Solid**
Klaus Affeld, Berlin, Germany
- 15:50 - 16:15 **Biophysical and Biochemical Responses of Blood to Sublethal Shear Exposure**
Michael Simmonds, Southport, Australia

Session 4 Young Researchers Session

- 16:15 - 17:45 **Rapid Poster Talks**
- 17:45 - 18:30 **Evening Lecture**
Survival Skills for a Scientist
Dimitrios Stamatialis, Enschede, Netherlands
- 18:30 - 20:00 **Dinner**
- 20:00 - 21:00 **Guided Walk through Baden**

Saturday, January 26

- Session 5 Organs on a Chip & Organoids**
- 08:30 - 09:15 **Kidney Organoids: Towards Novel Solutions for Kidney Failure**
Marianne Verhaar, Utrecht, Netherlands
- 09:15 - 10:00 **Organs on a Chip**
Daniel Faust, Berlin, Germany
- 10:00 - 10:30 **Coffee Break**
- Session 6 Stem Cells**
- 10:30 - 11:15 **Classification and Clinical Impact of Neoplastic Stem Cells**
Peter Valent, Vienna, Austria
- 11:15 - 12:00 **The Challenges of Translating Cell-Based Experiments into Therapeutic Products**
Massimo Dominici, Modena, Italy
- 12:00 - 12:30 **Concluding Remarks and Future Perspectives**
Volker Witt, Vienna, Austria

Travel Information

By car

Baden is located 2 km from the A2 motorway and 40 km from Vienna.

By train

www.oebb.at

By plane

Vienna international airport is located 50 km from Baden. From VIE, take the train to Vienna (either the city airport train CAT to Wien Landstraße, or ÖBB to Wien Hauptbahnhof) and then the train to Baden.

www.cityairporttrain.com

www.oebb.at

Baden

Baden, once an imperial summer residence, where the Romans used to bathe in sulfur springs long before, today is a modern spa town on the edge of the Vienna Woods, inviting visitors to relax and enjoy themselves.

Through connection to the most important Austrian traffic routes, nearby cities such as Vienna are reached easily and quickly.

Your hotel

The Hotel Schloss Weikersdorf is situated in the middle of Doblhoffpark with its famous Rosarium, a rose garden in French style. The center of Baden as well as the spa and thermal spring facilities, such as the Kurhaus Baden are only a few minutes' walk away from the charming hotel.