ESAO Winter School 2019
Program

Bioartificial Organs, Organ Support & Stem Cell Based Therapies

Baden, Austria
January 24-26, 2019

www.esao.org/winterschool

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
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 Valenti, 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 Doblingerpark 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.