



Scientific Committee

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

Organising Committee

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Venue

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

Reservation

Doris Albenberger
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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