

## Organizers

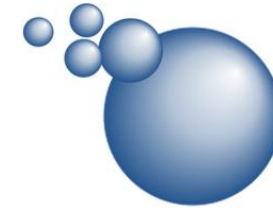
**Viktoria Weber**  
**Carla Tripisciano**  
**René Weiss**  
Danube University Krems

**Wolfgang Holnthoner**  
Ludwig-Boltzmann-Institute (LBI) for Experimental  
and Clinical Traumatology, Vienna

**Andreas Spittler**  
Medical University of Vienna

**Agnes Mistlberger-Reiner**  
University of Vienna

**Beate Rinner**  
Medical University of Graz



# Austrian Society for Extracellular Vesicles

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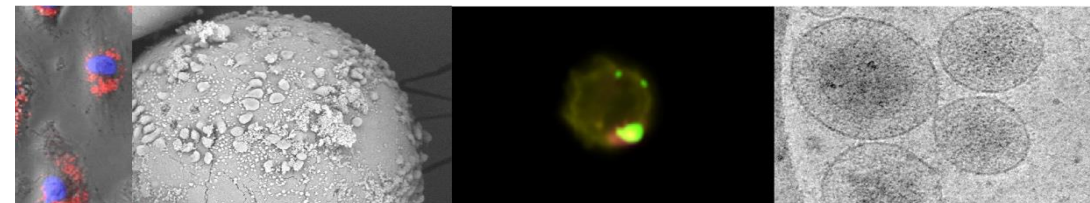
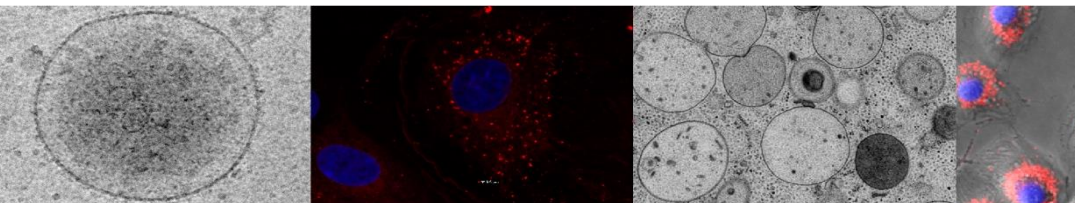
## *ASEV Young Scientists Meeting*

October 15<sup>th</sup> & 16<sup>th</sup>, 2021

## Program

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Friday, Oct. 15<sup>th</sup> 2021

12:30 – 13:00 *Registration & Welcome*

*Session I*

13:00 – 13:40 **Company Talk I – Beckman Coulter**  
t.b.a.

13:40 – 13:55 **Anton Borger, Medical University of Vienna**  
NTA-based analysis of the influence of FCS-free conditions on released extracellular vesicles

13:55 – 14:10 **Emily J. Clarke, University of Liverpool**  
Characterisation of equine extracellular vesicles from in vitro, ex vivo and in vivo models of equine osteoarthritis

14:10 – 14:25 **Clemens Rausch, LBI for Experimental and Clinical Traumatology, Vienna**  
Density characterisation of extracellular vesicles from endothelial and mesenchymal stromal cells.

14:25 – 14:40 **Lucia Zisser, Medical University of Vienna**  
High-throughput screening assay approach to identify modulators of release of extracellular vesicles enriched in mitochondrial content

14:40 – 14:55 **Fausto Gueths Gomes, Paracelsus Medical University, Salzburg**  
Human platelet lysate for skin regeneration & immune modulation

14:55 – 15:30 *Coffee Break*

Friday, Oct. 15<sup>th</sup> 2021

*Session II*

15:30 – 16:10 **Company Talk II – NanoView**  
t.b.a.

16:10 – 16:25 **Johannes Österreicher LBI for Experimental and Clinical Traumatology, Vienna**  
Characterization of plasma-derived extracellular vesicles

16:25 – 16:40 **André Cronemberger Andrade, Paracelsus Medical University, Salzburg**  
Extracellular vesicles derived from induced pluripotent stem cells in hypoxic conditions enhance angiogenesis

16:40 – 16:55 **René Weiss, Danube University Krems**  
Release of EVs in shock wave therapy depends on the Hippo pathway

16:55 – 17:10 **Marie Ebeyer-Masotta, Danube University Krems**  
Depletion of platelet factor 4 and PF4+ EVs by heparin-immobilized adsorbents: relevance in sepsis-related immunothrombosis

17:10 – 17:25 **Madhusudhan Reddy Bobbili, University of Natural Resources and Life Sciences, Vienna**  
Recombinant extracellular vesicles: for targeting and tissue- specific EVomics

18:00 *Heuriger*

**Saturday, Oct. 16<sup>th</sup> 2021**

**Session III**

- 08:30 – 09:10 **Company Talk III – Particle Metrix**  
t.b.a.
- 09:10 – 09:25 **Mai Quyen Nguyen, LBI for Experimental and Clinical Traumatology, Vienna**  
Design of mesenchymal stem cell-derived laminin-binding extracellular vesicles for the utilization in peripheral nerve regeneration
- 09:25 – 09:40 **Alexander Otahal, Danube University Krems**  
Regenerative capacity of blood-derived EVs on primary osteoarthritic chondrocytes coincides with the EV-associated miRNA functional repertoire
- 09:40 – 09:55 **Florian Richter, LBI for Experimental and Clinical Traumatology, Vienna**  
Characterization of extracellular vesicles from mesenchymal stromal cells of different sources: relevance for bone regenerative therapies
- 09:55 – 10:10 **Rodolphe Poupardin, Paracelsus Medical University, Salzburg**  
Adherence to minimal experimental requirements for defining extracellular vesicles and their functions: a systematic review
- 10:10 – 10:25 **Agnes T. Reiner, University of Vienna**  
Identification of extracellular vesicles as functional modulators of proton secretion in human parietal cells in culture
- 10:25 – 11:00 **Coffee Break**

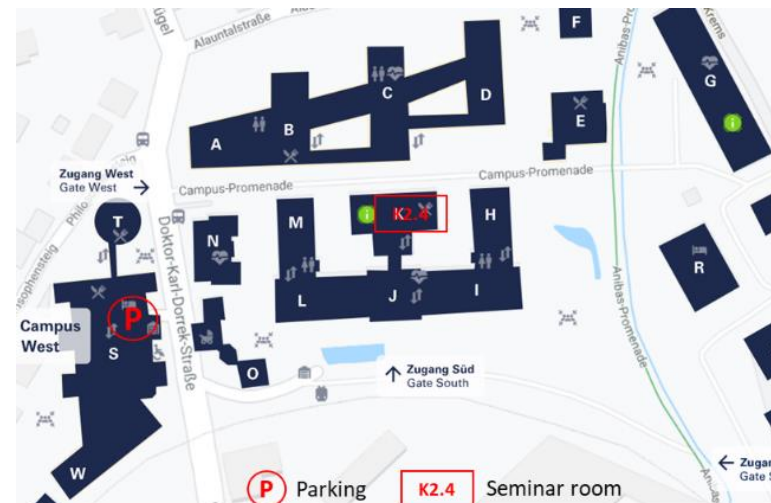
**Saturday, Oct. 16<sup>th</sup> 2021**

**Session IV**

- 11:00 – 11:15 **Ana Špilak, Austrian Institute of Technology GmbH, Vienna**  
Effects of small extracellular vesicles derived from prostate cancer cells on a salivary gland epithelium barrier model
- 11:15 – 11:30 **Astrid Digruber, University of Veterinary Medicine Vienna**  
Extracellular vesicles of Bacillus cereus: First insights into their potential role in pathogenicity
- 11:30 – 11:45 **Martin Wolf, Paracelsus Medical University, Salzburg**  
First evidence for a protein corona around extracellular vesicles playing an essential role in aiding angiogenesis and skin regeneration
- 11:45 – 12:00 **Johannes Zipperle, LBI for Experimental and Clinical Traumatology, Vienna**  
Effects of extracorporeal membrane oxygenation (ECMO) on levels of circulating extracellular vesicle populations of different cellular origins
- 12:00 – 12:15 **Maximilian Härtinger, Medical University of Vienna**  
How did you get in here? An investigation into the internalization of extracellular vesicles in Schwann cells
- 12:15 – 12:30 **Ciarra Almeria, University of Natural Resources and Life Sciences, Vienna**  
Dynamic cultivation of mesenchymal stem/stromal cells for the production of extracellular vesicles
- 12:30 **Lunch at Poldi Fitzka and possibility to visit the NÖ Landesgalerie with guided tour**

We thank our main sponsors for supporting this meeting

Danube University Krems  
Dr.-Karl-Dorrek-Strasse 30  
Seminar Room K2.4  
Building K, 2<sup>nd</sup> floor  
3500 Krems, Austria



We are grateful for support from

For registration and further information, please visit [www.asev.at](http://www.asev.at)



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