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Venue

University for Continuing Education Krems
Dr.-Karl-Dorrek-Strasse 30
Building L, 2nd floor
Seminar Room L.2.33
3500 Krems, Austria

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EVision
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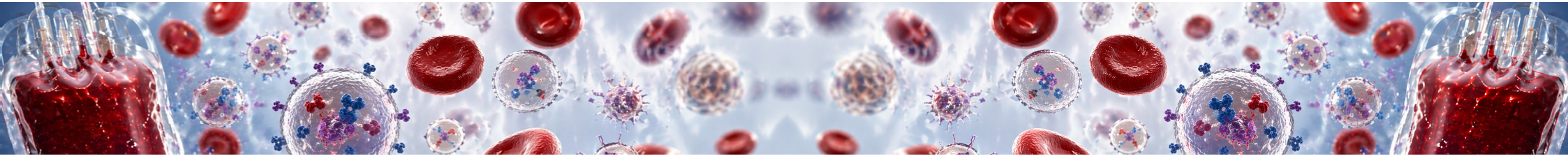
EXTRACELLULAR VESICLE PROFILING
IN BLOOD PRODUCTS

October 29, 2026

SCIENTIFIC PROGRAM



12:00 – 13:00 ***Registration***

13:00 – 13:15 ***Welcome***

Session I: EVision PhD Research Pitch Session

13:15 – 13:20 **EVision in a Nutshell** (Viktoria Weber, University for Continuing Education Krems, Krems, Austria)

13:20 – 13:25 **Induction of Inflammatory Monocytes by Platelet- and Red Blood Cell-Derived Extracellular Vesicles** (Heather Tanner, University for Continuing Education Krems, Krems, Austria)

13:25 – 13:30 **Mesenchymal Stem Cell-Derived Extracellular Vesicles as Mediators of Anti-Inflammatory Effects** (Chirantan Debnath, University for Continuing Education Krems, Krems, Austria)

13:30 – 13:35 **Exploring the Role of TLR10 in Human Microglia and EV-Mediated Cell-to-Cell Communication** (Esther Hellmann, IMC University for Applied Sciences Krems, Krems, Austria)

13:35 – 13:40 **Investigating the Impact of Toll-Like Receptor 10 on Mesenchymal Stem Cells and Their Lineage-Specific Cell Types** (Isabella Fischer, IMC University for Applied Sciences Krems, Krems, Austria)

13:40 – 13:45 **Humoral Immunity in the Recognition of Self-Antigens in SLE** (Lea Rief, Medical University of Vienna, Vienna, Austria)

13:45 – 14:00 ***Coffee Break***

Session II: EVs in Blood Products - From Production to Clinical Impact

14:00 – 14:20 **Blood Product Production: Principles, Technologies, and Quality Control** (Gottfried Fischer, Blood Bank University Hospital St. Pölten, St. Pölten, Austria)

14:20 – 14:40 **Blood Product Storage: Implications for Patient Safety and Clinical Decision-Making** (Volker Witt, St. Anna Children's Hospital, Vienna, Austria)

14:40 – 15:00 **Extracellular Vesicles in Stored Blood Products: Impact on Transfusion Outcomes** (Eva Rohde, Paracelsus Medical Private University, Salzburg, Austria)

15:00 – 16:00 ***Coffee Break and Networking***

Session III: Emerging Technologies and Analytical Challenges in EV Characterization

16:00 – 16:20 **Optimizing Antibody-Based EV Detection by Flow Cytometry: Challenges and Solutions** (Andreas Spittler, Medical University of Vienna, Vienna, Austria)

16:20 – 16:40 **Tiny Tools, Big Impact: Can Nanobodies Revolutionize EV Detection?** (Marwa Mostageer, University for Continuing Education Krems, Krems, Austria)

16:40 – 17:00 **Closing Remarks**

17:00 **Get Together**

