

Small New World



Joint Meeting of ASEV & GSEV



October 28 & 29. 2022, Salzburg, AUSTRIA

Scientific Program

Friday, 28.10.2022

10:00 - 10:15	Welcome Notes from the ASEV & GSEV Presidents Welcome Notes from the local organizers & technical introduction	
10:15 - 12:00	SCIENTIFIC SESSION 1 Cellular Sources <i>Nanovesicles as drug substance or drug delivery vehicle</i> (Chairs: Nicole Meisner-Kober & Wolfgang Holnthoner)	
10:15 - 10:45	Samir EL Andaloussi (Sweden)	Advanced engineering of extracellular vesicles for targeted delivery of biotherapeutics
10:45 - 11:00	Miriam Romano (Italy)	EV-protein corona and EV surface engineering, a first study
11:00 - 11:15	Aymar Abel Ganguin (Switzerland)	Bioderived therapeutics in chronic liver diseases
11:15 - 11:30 to be confirmed	Susanne Sasse (Germany)	Proof of principle of EV application in a cochlea implantation trauma model with guinea pigs preventing fibrosis and residual hearing loss.
11:30 - 11:45	Vida Makshayekhi (Germany)	Characterization of the impact of tumor promoting RNA binding protein IGF2BP2 on polarization of macrophages using cancer cell-derived EVs
11:45 - 12:00	Vera Tscherrig (Switzerland)	Unravelling the neuro-regenerative potential of small extracellular vesicles (sEV) from Wharton's jelly mesenchymal stromal cells
12:00 - 13:30	Lunch Break / General Assembly (ASEV; GSEV)	

13:30 - 15:00	SCIENTIFIC SESSION 2 Secretomes and Vesicles <i>purity meets function</i> (Chairs: Mario Gimona & Bernd Giebel)	
13:30 - 14:00	António Salgado (Portugal)	Stem Cells Secretome as a Regenerative Tool for CNS Applications
14:00 - 14:15 to be confirmed	André Görgens (Sweden)	Identification of storage conditions stabilizing Extracellular Vesicle preparations
14:15 - 14:30	Agnes Mistlberger-Reiner (Austria)	Does density gradient separation after SEC remove lipoprotein miRNAs and increase the yield of EV associated miRNAs?
14:30 - 14:45	Johanna Trisko (Austria)	Surface Properties of Endothelial Derived Extracellular Vesicles
14:45 - 15:00	Martin Wolf (Austria)	EV corona reloaded

15:00 - 16:15	CORPORATE SESSION (Chairs: Wolfgang Holnthoner & Bernd Giebel)	
15:00 - 15:15	Alice Law (NanoFCM)	Specific labelling and identification of EVs within complex particle isolations using nano-flow cytometry
15:15 - 15:30	Marc Richter (NanoView Biosciences)	Know your EVs inside out with ExoView
15:30 - 15:45	Vi Tran (FUJIFILM Wako Chemicals)	Powerful Tim4-based PS-affinity method for EV isolation and
15:45 - 16:00	Andreas Wicovsky (Beckman Coulter Life Sciences)	FLEXible Flow Solutions for Extracellular Vesicle Research
16:00 - 16:15	Clemens Helmbrecht (Particle Metrix)	Determination of Colocalization Ratios by Nanoparticle Tracking Analysis

16:15 - 16:45	Coffee Break	
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16:45 - 18:00	SCIENTIFIC SESSION 3 Natural & Novel Sources <i>Nanovesicles from food, bacteria, platelets and iPSCs</i> (Chairs: Dirk Strunk & Irina Nazarenko)	
16:45-17:15	Kenneth Witwer (USA)	A B-side to their A-game? EV biodistribution and response to inflammation
17:15 - 17:30	Irma Schabussova (Austria)	Modulation of allergy-related immune responses by bacterial membrane vesicles: Small blebs with big potential
17:30 - 17_45	Janis A Müller (Germany)	EVs from various body fluids prevent Zika virus infection by competing with viral particles for cell attachment
17:45 - 18:00 to be confirmed	Patricia Ebner-Peking (Austria)	Human Platelet-EVS facilitate self-assembly of stem/progenitor cells into skin organoids and accelerate skin regeneration in vivo

18:30 -	Poster Session and Social Evening	
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Saturday, 29.10.2022

09:00-10:45	SCIENTIFIC SESSION 4 EV Diagnostics and Biomarkers <i>simplicity in complexity</i> (Chairs: Metka Lenassi & Michael Pfaffl)	
09:00 – 09:30	Metka Lenassi (Slovenia)	EV-bound DNA, future biomarker in transplant medicine?
09:30 – 09:45	Janes Efinger (Germany)	Extracellular vesicles as novel mode of intercellular trafficking for the Wnt receptors ROR1/2
09:45 – 10:00	Tanja Eichhorn (Austria)	Blood-derived extracellular vesicles in sepsis and COVID-19
10:00 – 10:15	Katrin S. Reiners (Germany)	A novel serum extracellular vesicle protein signature to monitor glioblastoma tumor progression
10:15 – 10:30	Benedikt Kirchner (Germany)	Comprehensive analysis of small RNA gene expression – Obtaining valid biomarker signatures from EVs made easy
10:30 – 10:45	Charlotte Flynn (Germany)	Detection of Her2+ extracellular vesicles in breast cancer patients by flow-cytometry

10:45 – 11:30	Coffee Break	
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11:30 – 12:30	NETWORK SESSION Chair: t.b.d.	
11:30 – 11:40	Bernd Giebel (Germany)	 GSEV
11:40 – 11:50	Wolfgang Holnthoner (Austria)	 ASEV
11:50 – 12:00	Mario Gimona (Austria)	 EVTT
12:00 – 12:10	Eva Rohde (Austria)	ISEV TF Clinical use of EVs and Regulatory Affairs
12:10 – 12:30	Ken Witwer (President Elect ISEV) (USA)	 MISEV 2022 and ISEV Q & A

12:30 – 13:45	Lunch Break	
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13:45 - 15:15	SCIENTIFIC SESSION 5 Nanovesicle Analytics <i>uptake, activity assays and in vivo tracing</i> (Chairs: Viktoria Weber & Eva-Maria Krämer-Albers)	
13:45 - 14:15	Pietro Parisse (Italy)	Biophysical tools to highlight fusion mechanisms and functionality of Extracellular Vesicles
14:15 - 14:30 to be confirmed	Maximilian Härtinger (Germany)	How did you get in here? An investigation into the internalization of extracellular vesicles in Schwann cells
14:30 - 14:45	Melanie Schürz (Austria)	EVAnalyzer: An Open Source ImageJ Plugin for automated, quantitative, high content single vesicle imaging and its applications for routine characterisation of extracellular vesicles
14:45 - 15:00 to be confirmed	Bilal Alashkar Alhamwe (Germany)	Single-cell sequencing unravels EVs uptake in a preclinical Cre-loxP reporter model of pancreatic cancer
15:00 - 15:15	Alexander Otahal (Austria)	Polybrene enhances uptake of extracellular vesicles derived from Hoffa mesenchymal stromal cells into primary osteoarthritic chondrocytes

15:15 - 16:00	Coffee Break
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16:00 - 17:15	SCIENTIFIC SESSION 6 Clinical Application and Regulatory Compliance <i>beyond anecdotal evidence</i> (Chairs: Eva Rohde & Elke Pogge von Strandmann)	
16:00 - 16:30	Douglas Williams (USA)	Early Clinical Experience with engEx Therapeutic Exosomes
16:30 - 16:45	Athanasia Warnecke (Germany)	Towards clinical application: Preclinical safety and efficacy of MSC-EVs to reduce insertion trauma of the inner ear after implant injury
16:45 - 17:00	Yanis Mouloud (Germany)	Clonal Immortalized Mesenchymal Stromal Cells: an ideal cell source for the production of therapeutic extracellular vesicles

17:00 - 17:15	Closing Remarks & Farewell Notes
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