

Small New World 2.0

4-5 September 2023

Program



Medical University Graz, Austria

**Small New World 2.0
PROGRAM
Monday, 4th September 2023**

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|---|--|---|--|-----------------------|---|----------------------------|---|------------------------------|---|------------------------------|---|-------------------------|---|
| 8:30 - 10:00 | Registration and poster placement | | | | | | | | | | | | |
| 10:00-10:15 | Welcome note from the Presidents of ASEV, HSEV, SiN-EV, SrbEV Welcome note from the local organizers & organizational introduction | | | | | | | | | | | | |
| 10:15-12:00 | EV therapeutics - regenerative medicine and beyond Chairs: Wolf Holnthoner (Austria) + Zala Jan (Slovenia) | | | | | | | | | | | | |
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| 12:00-13:30 Lunch break / General assembly of ASEV | | | | | | | | | | | | | |
| 13:30-15:00 | Methodology advances in EV analysis Chairs: Beate Rinner (Austria) + Sofija Glamočllija (Serbia) | | | | | | | | | | | | |
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| 15:00-15:30 Coffee break | | | | | | | | | | | | | |



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| 15:30-16:40 | News from industry and development - "Rising projects" Chairs: Dirk Strunk (Austria) + Pia Siljander (Finland) | |
| | Clemens Helmbrecht ParticleMetrix | NTA goes colocalization: Characterization of Multi-labelled bionanoparticles |
| | Mehdi Madi and Quentin Lubart Abbelight | Quantitative analysis of single EV and their subpopulations with super-resolution solutions |
| | Core Facilities MedUni Graz | EV technologies at the MedUni Graz |
| | BioTechMed consortium "iNterAcD+" | Extracellular vesicle in exercise: sporty messengers in interorgan communication |
| | Christian Wadsack and Michaela Klaczynski | Fetal immune priming by placenta-derived small extracellular vesicles |
| | Beate Rinner and Mariangela Garofalo | Patient-derived tumor models. EVs and oncolytic viruses |
| 16:40-16:45 | Short break | |
| 16:45-17:30 | Special guest lecture: Translation of EV into the clinics - Eva Rohde (Austria) | |
| 17:30-23:00 | Poster party and Social evening | |



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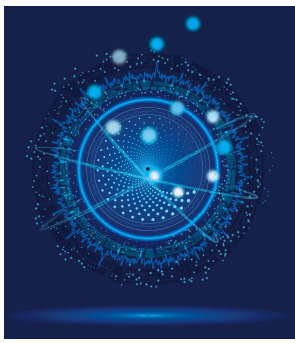
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| 09:00–10:45 | EV numbers and cargo Chairs: Maja Kosanović (Serbia) and Nicole Maeding (Austria) | |
| | Keynote: Paolo Bergese (Italy) | Extracellular vesicles by the numbers |
| | Hargita Hegyesi | Cardioprotective role of extracellular vesicle-mediated mir-sponge transfer |
| | Christa Noehammer | Small RNA biomarker profiling from extracellular vesicles in immune-mediated inflammatory diseases |
| | Tasvilla Sonallya | Systematic investigation and classification of membrane active peptides based on their affinity for interaction with extracellular vesicles |
| | Ilona Barbara Csordás | Extracellular Vesicles (EVs) miRNA-cargo loading and alterations after ionizing radiation induced cellular stress |
| | Marija Holcar | Characterization and Interindividual Variability of Plasma Extracellular Vesicles in Healthy Adults |
| 10:45–11:30 | Coffee break | |
| 11:30–12:30 | NETWORK SESSION + MOVE Chairs: Beate Rinner and Wolf Holnthoner | |
| | Wolf Holnthoner | ASEV - Austrian Society for Extracellular Vesicles |
| | Edit Buzas/Zoltan Giricz | HSEV - Hungarian Society for Extracellular Vesicles |
| | Metka Lenassi | SiN-EV - Slovenian Network for Extracellular Vesicles |
| | Maja Kosanović | SrbEVs - Serbian Society for Extracellular Vesicles |
| | Johannes Oesterreicher | MOVE news from Finland |
| | Martin Wolf | MOVE news from Sweden |
| 12:30–13:30 | Lunch break | |



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| 13:30-15:00 | Diversity of EV sources Chairs: Edit Buzas (Hungary) + Djenana Vejzovic (Austria) | |
| | Keynote: Pieter Vader (The Netherlands) | Extracellular vesicle-mediated RNA delivery: from mechanistic insights towards therapeutic applications |
| | Astrid Laimer-Digruber | Unraveling the pathogenic and pro-inflammatory potential of extracellular vesicles secreted by <i>Bacillus cereus</i> |
| | Vendula Pospíchalová | Proteomic analysis of ascitic extracellular vesicles describes tumor microenvironment and predicts patient survival in ovarian cancer |
| | Kaja Ujčič | Effects of placental extracellular vesicles on maternal hematopoiesis |
| | Veronika Kralj-Iglič | Mechanisms of formation of extracellular particles in diverse samples from human, animal, plant and microalgae |
| 15:00-15:30 | Coffee break | |
| 15:30-17:00 | Purity meets function Chairs: Metka Lenassi (Slovenia) + Krisztina Nemeth (Hungary) | |
| | Keynote: Saara Laitinen (Finland) | To EV, or not to EV: that is the question |
| | Martin Wolf | Functional implications of protein EV corona |
| | Johannes Grillari | EV therapeutics - regenerative medicine and beyond |
| | Maria Cavinato | Alternative mechanisms of mitochondria quality control elicited by EVs in skin aging and disease |
| | Irma Schabussova | Outer membrane vesicles of the probiotic <i>E. coli</i> O83 activate innate immunity and prevent allergic airway inflammation in mice |
| 17:00-17:15 | Awards: Best poster & Best oral presentation Farewell notes | |
| 18:00 | City tour Graz | |





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