

German Society for Extracellular Vesicles Conference Program



Location:

[University Hospital Essen, Audimax](#)

September 25th

07:00 - Open for Industry

08:00 – Registration

09:00 – Welcome

Jan Buer (Dekan), Tobias Tertel, Bernd Giebel, Kerstin Menck

09:15 - Session 1: EV Biogenesis, Cargo & Function

Chairs: Tobias Tertel (Essen), Kerstin Menck (Münster)

09:15 Elke Pogge-von Strandmann

Decoding EV Communication: Cargo or Surface Signals in Tumor Biology

Zentrum für Tumor- und Immunbiologie, Philipps-Universität Marburg

09:45 Karen Lahme

Podocyte exopher-like vesicle formation in membranous nephropathy

Institute of Cellular and Integrative Physiology, University Medical Center Hamburg-Eppendorf, Hamburg, Germany

10:00 Ivanka Saßmannshausen

The Adapter Protein CD2AP is a novel Regulator of the Biogenesis of Syntenin Exosomes

Dept. of Medicine A, Haematology, Oncology, and Pneumology, University of Münster, Münster, Germany

10:15 Daniel Rey

Determining tetraspanin positivity and quantifying surface protein of EV's using the NanoAnalyzer

NanoFCM

10:25 Poster talks

10:45 - Coffee Break

11:15 - Session 2: EV Characterization & Standardization

Chairs: Michael Pfaffl (München), Tanja Kutzner (Essen)

11:15 Tobias Tertel / Christian Preußner

Mind the Steps: Pre-analytical Factors and Methodological Choices in EV Analysis

Institute for Transfusion Medicine, University Hospital Essen, University of Duisburg-Essen, Essen, Germany; EV-iTEC, Center for Tumor Biology and Immunology, Philipps University Marburg

11:45 Maria Anthi Kakavoulia

In-Solution Characterization of Extracellular Vesicles by Flow Induced Dispersion Analysis (FIDA): A Novel Approach to Antibody Binding and Surface Interaction Analysis

Biochemistry and Chemistry, Department of Veterinary Science, Ludwig-Maximilians-Universität Munich, Lena-Christ-Str.48, 82152 Planegg

12:00 Isabel Graf

High Purity Fluorescence-Activated Vesicle Sorting for Enrichment of Specific Extracellular Vesicle Populations

Laboratory for Experimental Feto-Maternal Medicine, Department of Obstetrics and Fetal Medicine, University Medical Center Hamburg-Eppendorf, Hamburg, Germany

12:15 Matthias Hackl

Small RNA-sequencing (miND®) Enables Discovery of EV-specific MicroRNA Signatures to Support EV Therapeutics Development

TAmiRNA

12:25 Poster talks

12:45 - Lunch with Posters I

14:30 - Session 3: Reproducibility, Pitfalls, and Open Questions in EV Research

Moderator: Eva-Maria Albers (Mainz), Bernd Giebel (Essen)

14:30 Rienk Nieuwland

Same sample, different day. Reproducibility of EV research

University of Amsterdam · Chair, Amsterdam Vesicle Center (AVC)

15:00 Roundtable discussion

16:00 - Coffee Break

16:30 - Session 4: EVs in Neurological & Cardiovascular Diseases

Chairs: Yiqiao Zhang (Essen), Christian Preußner (Marburg)

16:30 Josephine Herz

MSC-EVs for the treatment of neonatal brain injury

Department of Paediatrics I, University Hospital Essen, University of Duisburg-Essen

17:00 Katharina Helena Morawitz

Extracellular Vesicles in Plasma and Lipoaspirates of Lipedema Patients and Healthy Control Individuals

HMU Health and Medical University Potsdam, Potsdam, Germany

17:15 Xinyue Zhou

Brain Metastasis-derived sEVs Induce Neutrophil-Mediated Immune Suppression

Department of Dermatology and Allergy, LMU Hospital, Ludwig-Maximilians-University, Munich, Germany.

17:30 Zoey Wang

EXODUS, A High Efficiency System for Automated EVs Isolation

Exodus Bio

17:40 Poster talks

19:30 - Dinner and get together

September 26th

09:00 - Session 5: EVs in Immune Regulation & Inflammation

Chairs: Julia Groß (Potsdam), Venkatesh Kumar Chetty (Essen)

09:00 Carlos Salomon Gallo

Translational Opportunities for Extracellular Vesicle Biomarkers: A Case Study in Ovarian Cancer

UQ Centre for Extracellular Vesicle Nanomedicine, The University of Queensland

09:30 Mohamed Elbeltagy

CD39-Engineered Mesenchymal Stromal Cell-Derived Extracellular Vesicles Enhance Immunomodulation and Neuroprotection in Ischemic Stroke via Anti- Inflammatory Adenosine

Institute for Transfusion Medicine, University Hospital Essen, University of Duisburg-Essen, Essen, Germany

09:45 Jamal Ghanam

Small Extracellular Vesicle Release Blockade Activates cGAS Pathway and Increases NK Cytotoxicity through ULBP1 Activation

Clinic for General, Visceral, Vascular and Transplant Surgery, University Hospital Essen, Hufelandstrasse 55, 45147 Essen, Germany.

10:00 Christina Klasen

ZetaView® Evolution – Your EV solution

Particle Metrix

10:10 Poster talks

10:30 - Coffee Break

11:00 - Session 6: EVs in Cross-Kingdom Communication

Chairs: Janis Müller (Marburg), Basant Thakur (Essen)

11:00 Amy Buck

Vesicular and non-vesicular RNA transmission in animals: lessons from parasites

Institute of Immunology and Infection Research, School of Biological Sciences, University of Edinburgh

11:30 Saman Ghodsi

*Extracellular vesicles and whole-body regeneration in planarian *Schmidtea mediterranea*: Hints for a conserved role*

Pluripotency and Regeneration Group, Department of Animal Physiology, University of Osnabrück, Osnabrück, Germany

11:45 Cláudia Vilhena

The role of pneumococcal extracellular vesicles on the pathophysiology of the kidney disease hemolytic uremic syndrome

Department of Infection Biology, Leibniz Institute for Natural Product Research and Infection Biology, Jena, Germany

12:00 Toni Weinhage

Flow Cytometry Solutions for Extracellular Vesicle Research

Beckman Coulter

12:10 Poster talk

12:30 – Lunch with Posters II

14:15 - Session 7: EVs in Cancer

Chairs: Jamal Ghanam (Essen), Claudia Günther (Erlangen)

14:15 Héctor Peinado

Beyond the premetastatic niche: EV-inspired strategies to boost immunotherapy

Centro Nacional de Biotecnología (CNB-CSIC), Madrid, Spain

14:45 Marcel Kemper

Immune Cell-Derived Large Extracellular Vesicles as Biomarkers of Immunotherapy

Efficacy in NSCLC

University of Münster, Dept. of Medicine A, Hematology, Oncology and Pneumology, Münster, Germany

15:00 Rambod Nikbakhsh

Institute for Tumor Immunology, Center for Tumor Biology and Immunology (ZTI),

Philipps University Marburg, Marburg, Germany

P53-dependent Effects of Tumor-derived Extracellular Vesicles on the Formation of Lung Metastasis

15:15 Tarik Hadi

Maximizing MSC-EV Yield with Preserved Quality Using a Xeno-Free, Defined Formulation

Takara

15:25 Poster talks

16:00 - Closing Ceremony and prizes

16:30 - End

Gold Sponsors



Silver Sponsors



Bronze Sponsors



Media partner

