

German Society for Extracellular Vesicles Conference Program



Location:

[Saalhaus, Trostbrücke 6, 20457 Hamburg](#)

October 1st

07:00 - Open for Industry

08:00 - Registration

08:50 - Welcome

Kerstin Menck, Münster; Fabian Braun, Hamburg

09:00 - Session 1: Liquid Biopsy

Chairs: Fabian Braun, Hamburg; Michael Pfaffl, München

09:00 Klaus Pantel

EVs as Liquid Biopsy markers: From Discovery to clinical implementation

Department of Tumor Biology, Center of Experimental Medicine, University Medical Center Hamburg-Eppendorf, Hamburg, Germany.

09:30 Amanda Salviano-Silva

Extracellular Vesicles carrying Tenascin-C are potential biomarkers for glioblastoma

Dept. of Neurosurgery, University Medical Center Hamburg-Eppendorf, Hamburg, Germany.

09:45 Martin Auber

Unveiling neuroblastoma: characterizing the proteome and surface markers of extracellular vesicle to elucidate tumor microenvironment and premetastatic niche formation

Dept. of Pediatric Oncology and Hematology, Charité – University Medicine, Berlin, Germany.

10:00 Cuno Laurin Lange

Early detection of prostate cancer using activity-based biomarkers from plasma extracellular vesicles

Dept. of Dermatology, Uniklinikum Erlangen, Erlangen, Germany.

10:15 Katharina Maria Richter

DNA associated with large extracellular vesicles outperforms circulating cell-free DNA for the detection of oncogenic mutations in liquid biopsies of non-small cell lung cancer patients

Dept. of Medicine A, University of Münster, Münster, Germany.

10:30 Zoey Wang

High-Efficiency Isolation of Exosomes and Its Application in Diagnosis and Treatment

Exodus Bio.

10:45 - Coffee Break

11:15 - Session 2: EV Immunity & Infection

Chairs: Janis Müller, Marburg; Elke Pogge von Strandmann, Marburg

11:15 Gisa Gerold

To bend or not to bend: Role of Tetraspanins in Virus-Induced Membrane Curvature

University of Veterinary Medicine Hannover, Institute of Biochemistry & Research Center for Emerging Infections and Zoonoses, Hannover, Germany; Umeå University, Department of Clinical Microbiology, Virology & Wallenberg Center for Molecular Medicine, Umeå, Sweden

11:45 Barbara Honecker

Extracellular vesicles in host-parasite interaction of Entamoeba histolytica with primary monocytes

Bernhard Nocht Institute for Tropical Medicine, Hamburg, Germany.

12:00 Luisa Weißköppel

Improving the immunomodulatory potential of MSC-derived extracellular vesicles to attenuate M1 macrophage polarization

Institute of Experimental Hematology, Hannover Medical School, Hannover, Germany.

12:15 Ahmad Aljohmai

Extracellular vesicles cargo of the proteolytically active ADAM proteases shape the inflammatory response and drive disease severity

Institute of Experimental and Clinical Pharmacology and Toxicology, PZMS, ZHMB, Saarland University, Homburg, Germany.

12:30 Elena Hagelauer

Comparison and functional relevance of extracellular vesicles containing the viral SARS-CoV-2 spike or Ebola virus glycoprotein

Institute for Medical Virology and Epidemiology of Viral Diseases, University Hospital Tübingen, Tübingen, Germany.

12:45 Ingrid Bloß

ZetaView NTA - more than size and concentration

Particle Metrix.

13:00 - Lunch with Posters I

15:00 - Session 3: EV Biology

Chairs: Eva-Maria Krämer-Albers; Mainz; Julia Gross, Potsdam

15:00 Roland Wedlich-Söldner

Tetraspanner-based nanodomains modulate membrane curvature

University of Münster, Institute of Cell Dynamics and Imaging.

15:30 Lavinia Flaskamp

Establishing Phosphatidylserine (PS) as the universal EV-marker: novel highly sensitive PS-specific reagents allow measuring global EV-turnover in vivo

Institute for Immunology, Ludwig-Maximilians-Universität Munich, Munich, Germany.

15:45 Allegra Angenendt

A comparative study of inhibitors targeting extracellular vesicle biogenesis

Dept. of Medicine A, University Hospital Münster, Münster, Germany.

16:00 Kristin Seltmann

Extracellular vesicle-mediated nuclear transport mediates key activities of the stress-regulated CLCA2 protein

Institute of Molecular Health Sciences, Department of Biology, Swiss Federal Institute of Technology (ETH) Zurich, Zurich, Switzerland.

16:15 Helen May-Simera

Unraveling signaling mechanisms of renal extracellular vesicles in ciliopathies

Institute of Molecular Physiology, Johannes-Gutenberg University, Mainz, Germany

16:30 Ben Peacock

Identifying EV sub-populations and quantifying surface proteins with Nano-flow cytometry

NanoFCM

16:45 - Coffee Break

17:15 - Session 4: EVs in Cancer

Chairs: Kendra Maas, Heidelberg; Kerstin Menck, Münster

17:15 Clotilde Théry

EVs in cancer-immune system cross talk

Institut Curie, INSERM, Paris, France

17:45 Bilal Alashkar Alhamwe

The cellular transfer of the tumor suppressor p53 via extracellular vesicles confers p53-activities to target cells

Institute for Tumor Immunology and Core Facility Extracellular Vesicles, Philipps-University Marburg, Marburg, Germany.

18:00 Sina Marie Ceplis

The role of extracellular vesicles produced by neuroblastoma cells in the regulation of proinflammatory pathways

Paediatric Surgery, University Medical Centre Hamburg-Eppendorf, Hamburg, Germany.

18:15 Diana Huber

Macrophages treated with plasma-derived sEVs from HNSCC patients modulate immunosuppression

Dept. of Otorhinolaryngology, Head and Neck Surgery, Ulm University Medical Center, Ulm, Germany.

18:30 Johanna Pörschke

Unraveling new insights into extracellular vesicle-associated proteome of cancer-associated adipocytes in ovarian cancer

Institute for Tumor Immunology, Center for Tumor Biology and Immunology, Philipps-University Marburg, Marburg, Germany.

18:45 Caterina Severi

Unveiling the Unseen: Extracellular Vesicles at the Nanoscale

Abbelight

19:00 - Dinner and get together

21:00 – Party

Celebrate the day's achievements and unwind with your peers.

October 2nd

09:00 - Session 5: EV Methods

Chairs: Christian Preußner, Marburg; Tobias Tertel, Essen

09:00 Marca Wauben

Extracellular Vesicle-based biomarkers: The Added Value of Lipid-Profilng and Integrated Omics

Division of Cell Biology, Metabolism and Cancer; Department of Biomolecular Health Sciences; Faculty of Veterinary Medicine, Utrecht University, The Netherlands.

09:30 Anna Kashkanova

Precision measurements of size, refractive index and concentration of nanoparticles in polydispersions

Max Planck Institute for the Science of Light, Erlangen, Germany.

09:45 Isabel Graf

Enrichment of extracellular vesicle specific populations by fluorescence-activated vesicle sorting

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

10:00 Jan Thorbow

Process development for MSC-derived extracellular vesicles: revealing critical parameters in small- and large-scale cultivations

Institute of Bioprocess Engineering and Pharmaceutical Technology, University of Applied Sciences Mittelhessen, Giessen, Germany.

10:15 Jan Kranich

System-wide analysis of extracellular vesicle-binding cells in vivo by Abseq and sc-RNA-Seq

Institute for Immunology, Ludwig-Maximilians-Universität Munich, Munich, Germany.

10:30 Hannarae Lee

Combining interferometric nanoparticle tracking analysis (iNTA) with fluorescence detection to distinguish nanoparticle sub-populations with single-molecule precision

Max Planck Institute for the Science of Light, Erlangen, Germany.

10:45 - Coffee Break

11:15 - Session 6: EVs in Pathology

Chairs: Berta Puig, Hamburg; Wolfgang Holnthoner, Wien

11:15 Gorjana Rackhov

Mitochondrial cargo in extracellular vesicles: detection in cell-conditioned media and in human plasma

BioMed X Institute Heidelberg, Germany

11:45 Mohsin Shafiq

Extracellular vesicles modulate the Amyloid β aggregation via surface-expressed Prion Protein: a structural perspective of EV-A β interaction

Institute of Neuropathology, University Medical Center Hamburg-Eppendorf, Hamburg, Germany

12:00 Fabian Braun

Extracellular vesicles of podocytes impact intraglomerular signaling and parietal epithelial cell activation

Dept. of Medicine, University Medical Center Hamburg-Eppendorf, Hamburg, Germany.

12:15 Wei Xiang

Gut protein acetylation: a potential trigger of autoimmune responses via extracellular vesicles in Parkinson's disease

Dept. of Molecular Neurology, University Hospital Erlangen, Friedrich-Alexander University Erlangen-Nürnberg, Erlangen, Germany.

12:30 Iris Stolzer

Bacterial membrane vesicle as modulators of liver inflammation and fibrosis in PSC-IBD

Dept. of Medicine 1, Universitätsklinikum Erlangen, Friedrich-Alexander-Universität Erlangen-Nürnberg, Erlangen, Germany.

12:45 Göran Ramin Boeckel

Large endothelial extracellular vesicles as mediators of excess phosphate-induced vascular inflammation

Dept. of Internal Medicine D, University Hospital Münster, Münster, Germany.

13:00 - Lunch with Posters II

14:30 - Session 7: Advances in EV Research and Applications

Chairs: Bernd Giebel, Essen; Daniel Bachurski, Köln

14:30 Joachim Spatz

Matter to Life: Bottom-Up Assembly of Synthetic Cells

Max Planck Institute for Medical Research, Heidelberg, Germany

15:00 Nazanin Abazari

Extracellular vesicles: engineered drug delivery vehicles to the cancer cells

Dept. of Health Sciences, Università degli Studi di Milano, Milan, Italy.

15:15 Maria-Anthi Kakavoulia

Dynamic interactors: Galectins and EVs

Dept. of Veterinary Sciences, Physiological Chemistry, Ludwig-Maximilians-Universität Munich, Munich, Germany.

15:30 Dapi Menglin Chiang

Proteomic alterations in bacterial and human vesicles under various antibiotic treatments in blood spiked with Staphylococcus aureus

Division of Animal Physiology and Immunology, School of Life Sciences Weihenstephan, Technical University of Munich, Freising, Germany.

15:45 Linda Hofmann

Analysis of small extracellular vesicles from plasma and saliva of head and neck cancer patients with calibrated spectral flow cytometry

Dept. of Otorhinolaryngology, Head and Neck Surgery, Ulm University Medical Center, Ulm, Germany.

16:00 Konstantin Glebov

Lost in Translation: Information Asymmetry and Other Drivers of Underperformance in Exosome Space

Managing Director, Exosome Consulting

16:15 - Closing Ceremony

16:30 - End

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