

SCIENTIFIC PROGRAM

Monday, May 19, 2025

12:00 Registration and check-in at the Elsa-Brändström Conference Center

Opening Session #1

- 15:00-15:10 Opening remarks
Eckart D. Gundelfinger (Chair of the Blankenese Conference)
- 15:10-15:20 Welcome address JUNG Stiftung
Jochen Spethmann (Member of the Board of Trustees, JUNG-Stiftung)
- 15:20-15:30 Welcome address UKE
Tim Magnus (UKE Neurology Department director and member of the scientific committee meeting of Blankenese 2025)

JUNG-lecture (1)
15:30-16:10 **Ivan Dikić**
Outer membrane vesicles in host-pathogen interactions

Session #2

- 16:15-16:45 **Matthias Kneussel**
EV targeting in donor neurons and EV docking to target neurons
- 16:45-17:15 **Luca Peruzzotti-Jametti**
Targeting CNS metabolic dysfunction with extracellular vesicles

17:15-17:45 Coffee break

- 17:45-18:15 **Mario Gimona**
Clinical application of EV-based therapeutics
- 18:15-18:45 **Lidia Alvarez-Erviti** (GBM-supported talk)
Gene therapy for neurodegenerative disease treatment using extracellular vesicles
- 18:45-19:15 **Samir El-Andaloussi**
Targeted delivery of gene editors and mRNA therapeutics using genetically engineered exosomes

19:15 Welcome Reception & Dinner

Tuesday, May 20, 2025

Session #3

- 9:00 - 9:30 **Guillaume Van Niel**
Fundamental role of CD63 and its harnessing in the study of extracellular vesicles
- 9:30 - 10:00 **Meike Saul**
Understanding extracellular vesicles: functional roles and methodological perspectives in cancer research
- 10:00-10:30 **Franz Ricklefs**
Extracellular vesicles ins CNS pathophysiology and their Biomarker potential

- 10:30-12:00 **Poster Session 1**
with coffee served at the posters

- 12:00-12:30 **Klaus Pantel**
EV-based liquid biopsy: From discovery to clinical implementation

- 12:30-13:00 **Selected talks from abstracts**

- 13:00-14:00 Lunch Break

Session #4

- 14:00-14:30 **Roosmarijn Vandenbroucke**
TBA
- 14:30-15:00 **Efrat Levy**
The role of mitovesicles in the brain with mitochondrial dysfunction
- 15:00-15:30 **Berta Puig**
Decoding stroke pathophysiology and recovery through extracellular vesicle analysis
- 15:30-16:00 **Britta Betin**
From challenge to opportunity: a methodology to measure reproducible EV concentrations

- 16:00-16:30 Coffee Break

- JUNG-
lecture (2)**
16:30-17:10 **Stefan Rose-John**
TBA

- 17:10-17:40 **Catherine Shanahan**
The role of extracellular vesicles in vascular ageing pathologies

- 17:40-18:10 **Tuomas Lilius**
The Glymphatic System: implications for brain metabolite clearance and drug delivery

- 18:10-19:30 **Poster Session 2**
with drinks served at the posters

- 19:30 Dinner and get together

Wednesday, May 21, 2025

KEYNOTE lecture **Ken Witwer**
EV burden and biodistribution: from the CNS to the periphery
9:00-9:40

Session #5

9:40-10:10 **Jaime Arroyo Ortega**
Isolation- and label-free optofluidic platform for single extracellular vesicle characterization

10:10-10:40 **Selected talks from Abstracts**

10:40-11:00 Coffee Break

11:00-11:30 **Thierry Galli**
Role of Late Endosomal Autophagy-Dependent Secretion of ER and Mitochondrial Components in Cell Fitness and Communication

11:30-12:00 **Paolo Bergese**
The physico-chemical landscape of extracellular vesicles

12:00-12:30 **Eva-Maria Krämer-Albers** (GBM-supported talk)
Extracellular vesicles in neuron-glia communication and CNS homeostasis

AWARDING OF POSTER PRIZES and CLOSURE REMARKS

13:00 Lunch to go