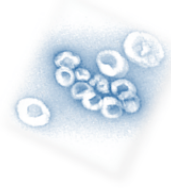




# EXTRACELLULAR VESICLES Joint Autumn Meeting



28 - 29. November 2019

## Hands-on Workshops

- EV Isolation & Characterization
- EV RNA Analysis



30. November 2019

Venue: TUM,  
Freising-Weihenstephan

### [Preliminary Agenda Joint GSEV & ASEV Meeting in Freising 28<sup>th</sup> – 30<sup>th</sup> Nov 2019](#)

05 July 2019

6 EV Talk Sessions and 1 Poster Session (Thu & Fri) and 2 EV hands-on workshops (Sat)  
Sessions will be opened and moderated by an invited **International Keynote Speaker** (each 30 min)  
followed by 4 to 8 **Young Scientist Talks** from Germany, Austria, or international (each 15 min).  
**Company research talks** are 15 min and held by Lead or Gold Sponsors.

Submit your Abstract until 1<sup>st</sup> Oct 2019 => <https://www.extracellular-vesicles.de/gsev-asev-autumn-meeting-2019/>

### [Wednesday Evening 27. Nov 2019 -- Welcome Dinner @ Bräustüberl Weihenstephan](#)

At 7 pm invitation for invited international keynote speakers, ASEV & GSEV steering committees, and the workshop organizer to Bräustüberl Weihenstephan (ca. 20 persons) <https://www.braeustueberl-weihenstephan.de/>

### [Thursday 28. Nov 2019 -- Session 1-3 @ Lecture Hall 16 \(HS 16\)](#)

- 10:00-10:30 **Welcome** by Michael Pfaffl & ASEV & GSEV steering committees
- 10:30-12:30 **Session 1) MISEV Guidelines & Characterization of Extracellular Vesicles**  
*Edit Buzás: Extracellular vesicles and the secretome (ASEV)*  
6 Young Scientist Talks (to be announced)
- 12:30-13:30 **Lunch & Drinks in Mensa**
- 13:30-15:00 **Session 2) EV Methods** (methodological improvements, how to isolate pure EVs)  
*Alain Brisson: EVs, Exosomes: lessons from 10 years cryo-EM studies (ASEV)*  
4 Young Scientist Talks (to be announced)
- 15:00-15:30 **2x Lead or Gold Sponsor Talks** – moderation by GSEV steering committee  
(to be announced)
- 15:30-16:00 **Coffee break in Foyer**
- 16:00-18:00 **Session 3) Diagnostic EVs** (new and early EV biomarkers)  
*Jens Simonsen: The use of liposomes in EV-based research (GSEV)*  
6 Young Scientist Talks (to be announced)

### [Thursday Evening -- Poster Session & Bavarian Evening @ Foyer and UG](#)

- 18:00-22:00 **Session 4) Poster Session** – moderation by Michael Pfaffl & GSEV & ASEV steering committees  
Each author is presenting the poster, and GSEV & ASEV steering committee suggests three possible candidates for the „**Best Poster Prize**”
- 18:00-22:00 **Bavarian Evening** directly around the posters with finger-food, brezels, vegetarian- and vegan-food, different Bavarian beer from Weihenstephaner Brewery, red and white wine, soft drinks, etc.

## Friday 29. Nov 2019 -- Session 5-7 @ Lecture Hall 16 (HS 16)

- 09:00-11:30 **Session 5) Therapeutic EVs** (the new potentials of EVs),  
**Mario Gimona: Manufacturing of MSC-derived therapeutic vesicular secretome fractions: from preclinical research to first-in-human application (ASEV)**  
8 Young Scientist Talks (to be announced)
- 11:30-12:00 **2x Lead or Gold Sponsor Talks** – moderation by GSEV steering committee  
(to be announced)
- 12:00-13:00 **Lunch & Drinks in Mensa**
- 13:00-14:30 **Session 6) EVs in Physiology** (biology, release, uptake, and effects of EVs)  
**Dirk Michiel Pegtel: Biology and clinical applications of exosomes in cancer (GSEV)**  
4 Young Scientist Talks (to be announced)
- 14:30-15:00 **Coffee break in Foyer**
- 15:00-16:30 **Session 7) EVs in Physiology** (biology, release, uptake, and effects of EVs)  
**Maria Yanez-Mo: Tetraspanins and EVs, biogenesis and biotechnological potential (GSEV)**  
4 Young Scientist Talks (to be announced)
- 16:30-17:00 **Farewell** by Michael Pfaffl & ASEV & GSEV steering committees and „Best Poster Prize“

## Saturday 30. Nov 2019 -- 2 parallel EV hands-on workshops @ Seminar Rooms S1 & S2

Both workshops are intended for beginners and intermediate EV scientists who are willing to improve their skills in **(WS 1) EV isolation from biofluids**, with focus on plasma samples and cell culture supernatant; **(WS 2) EV RNA analysis**, including the basics of working with RNA, RNA isolation techniques from EVs, and quality control of RNA;

- 09:00-17:00 **Workshop No. 1 -- EV isolation from Biofluids @ Seminar room S1**  
**Kick-off speaker Jens Simonsen: Methodological challenges related to EV research (GSEV)**  
Moderation: Irina Nazarenko and Fabia Fricke
- In this workshop, you will ...
- Learn about strategies to overcome challenges in vesicle purification
  - Sensitize your awareness of potential contaminants that might influence your preparation
  - Be taught good practices for isolating and analyzing EVs isolated from biofluids
  - Discover different techniques for characterization of EV preparations: NTA, ELISA, protein and lipid content
  - Work with fluorescently labeled spike-in controls
  - Obtain the chance to discuss your questions and concerns about EV isolation and characterization with experienced EV scientists and industry partners in a relaxed atmosphere
- 09:00-17:00 **Workshop No. 2 -- EV RNA analysis @ Seminar room S2**  
**Kick-off speaker Christian Preußer: RNA in EVs - quirks, and pitfalls (GSEV)**  
Moderation: Dominik Buschmann and Christian Preußer
- In this workshop, you will ...
- Be taught good practices for working with RNA
  - Discover different analytical techniques for (mi)RNAs
  - Extract, quantify and characterize RNA from EV samples
  - Analyze the expression of specific miRNAs in your RNA samples by real-time PCR
  - Calculate differences in miRNA expression between different samples
  - Substantiate circular RNAs in your EV RNA
  - Get the chance to chat with experienced EV RNA researchers to discuss your problems and toss around ideas
- 12:00-13:00 **Lunch & Drinks**