

## Extracellular vesicles: From fundamental research to clinical application



**Date:** Monday, 20<sup>th</sup> of June 2022 (9.00-15.20)

**Location:** University of Ljubljana, Faculty of Medicine, Small lecture room, Korytkova 2, Ljubljana

### Workshop programme:

09.00 – 09.10 **Opening address:**

#### Plenary talks (Chairs: Metka Lenassi, Marija Holcar)

09.10 – 09.50 Our journey in the field of extracellular vesicles

Edit Buzás, Semmelweis University, HU

09.50 – 10.30 ASEV 2.0 - where do Austrian Vesicles go?

Wolfgang Holthoner, Medical University of Vienna, AT

10.30 – 11.10 *Coffee break*

#### Session 1 Fundamental discoveries and methodology for EV isolation and characterisation (Chairs: Zala Jan, Alja Zottel)

11.10 – 11.30 Improving extracellular vesicle isolation tools from technical standpoint

Matic Resnik, IJS

11.30 – 11.50 Morphology of colloidal vesicles and small cellular particles

Veronika Kralj-Iglič, UL ZF

11.50 – 12.15 Quantification of extracellular vesicles after their isolation from body fluids

Mario Kurtjak, IJS

Unveiling the native morphology of extracellular vesicles from human cerebrospinal fluid by atomic force and electron microscopy

Mladenka Malenica, Faculty of Medicine in Rijeka

12.15 – 12.35 Extracellular vesicles from the biotechnologically important fungus *Aureobasidium pullulans*

Anja Černoša, UL BF

12.35 – 13.35 *Lunch break*

#### Session 2 Extracellular vesicles in human disease (Chairs: Ula Štok, Saša Koprivec)

13.35 – 13.55 Calcium ionophore-induced extracellular vesicles mediate cardioprotection against simulated ischemia/reperfusion injury

Peter Pečan, KI

13.55 – 14.15 Sonication-packed anti-vimentin nanobody in glioblastoma exosomes shows decreased survival of glioblastoma stem cell line NCH421k

Alja Zottel, UL MF

14.15 – 14.35 Extracellular vesicle-bound DNA in urine is indicative of kidney allograft injury

Ivana Sedej, UMCL

14.35 – 14.55 Identification of urinary extracellular vesicles derived microRNAs with possible involvement in the development and progression of Fabry nephropathy

Tina Levstek, UL MF

14.55 – 15.15 Prediction of feasibility and radicality of pancreatic cancer resection based on plasma EV characteristics

David Badovinac, UMCL

15.15 – 15.20 **Closing address:** Metka Lenassi, UL MF, Chair of the organising committee