



## Extracellular vesicles: mediators and biomarkers of pathology

**Date:** Thursday, 5<sup>th</sup> of December 2019 (08.30-15.15)

**Location:** University of Ljubljana, Faculty of Medicine, Institute of Biochemistry, Vrazov trg 2, Ljubljana

### Workshop programme:

08.30 – 09.00 *Coffee break*

09.00 – 09.10 **Opening address**

#### Session 1 Introduction to extracellular vesicles

09.10 – 09.50 Extracellular vesicles: the membrane's the limit for a budding field

Kenneth W. Witwer, Johns Hopkins University, USA

09.50 – 10.10 Mechanisms of extracellular vesicles formation

Veronika Kralj Igljč, UL ZF

10.10 – 10.30 Fungal extracellular vesicles and their relevance in ecology and pathogenicity

Teja Lavrin, UL MF

10.30 – 11.10 *Coffee break*

#### Session 2 Extracellular vesicles as mediators of disease pathology

11.10 – 11.30 The role of extracellular vesicles and their synthetic analogues in the modulation of TLR4 activity

Thai Van Ha, KI

11.30 – 11.50 Role of extracellular vesicles released after oxidative stress in activation of adaptive response

Peter Pečan, KI

11.50 – 12.10 Altered surface protein profile of small plasma extracellular vesicles from patients with antiphospholipid syndrome

Ula Štok, UKCL

12.10 – 12.30 Extracellular vesicle miRNAs in type 1 diabetes

Tine Tesovnik, UKCL

12.30 – 13.30 *Buffet lunch*

#### Session 3 Extracellular vesicles as biomarkers of disease pathology

13.30 – 13.50 Enrichment of plasma extracellular vesicles for reliable quantification for biomarker discovery

Marija Holcar, UL MF

13.50 – 14.10 Characteristics of plasma extracellular vesicles in pancreatic ductal adenocarcinoma

David Badovinac, UKCL

14.10 – 14.30 MicroRNAs in extracellular vesicles as biomarkers in malignant mesothelioma

Katja Goričar, UL MF

14.30 – 14.50 Assessment of extracellular vesicles directly in blood plasma

Darja Božič, UL ZF

14.50 – 15.10 Extracellular vesicles from urine in kidney transplant recipients: optimization of the isolation method

Ivana Sedej, UKCL

15.10 – 15.15 **Closing address:**

Metka Lenassi, UL MF, Chair of the organising committee