

## VIRTUAL POSTER SESSIONS 1 & 2 & 3

15:15 – 16:15 (live) & Coffee breaks

### POSTER SESSION 1 – DNA, miRNA and cell models

(LIVE in a zoom room at 15:15-16:15, 7 min /presenter)

Chair: Alja Videtič Paska

**Tanja Blagus**, Pharmacogenetics Laboratory, Institute of Biochemistry and Molecular Genetics, Faculty of Medicine, University of Ljubljana, Slovenia

*Genetic polymorphisms in glucocorticoid pathway increase the risk for new onset diabetes mellitus after transplantation*

**Martin Šimon**, Biotechnical Faculty, University of Ljubljana, Slovenia

*Distinct SNP profiles in hypoxia-inducible factor 3 alpha subunit (Hif3a) gene between divergent mouse models for body fat content*

**Monika Banfi**, Medical Centre for Molecular Biology, Institute of Biochemistry and Molecular Genetics, Faculty of Medicine, University of Ljubljana, Slovenia

*Genetic variability of JAK2 gene in erythrocytosis*

**Matea Nikolac Perković**, Laboratory for Molecular Neuropsychiatry, Division of Molecular Medicine, Ruder Boskovic Institute, Croatia

*Alzheimer's disease and candidate gene analysis of DNA methylation*

**Teo Mlinšek**, Institute of Biochemistry and Molecular Genetics, Faculty of Medicine, University of Ljubljana, Slovenia

*Characterization of urinary extracellular vesicles and their microRNA cargo in patients with Fabry disease*

**Urban Alič**, Medical Centre for Molecular Biology, Institute of Biochemistry and Molecular Genetics, Faculty of Medicine, University of Ljubljana, Slovenia

*Selecting and testing miRNAs from brain tissue of suicide victims*

**Lucija Raspor Dall'Olio**, Centre for Functional Genomics and Bio-Chips, Institute of Biochemistry and Molecular Genetics, Faculty of Medicine, University of Ljubljana, Slovenia

*Escherichia coli affects expression of circadian clock genes in human hepatoma cells*

**Vesna Bricman**, Medical Centre for Molecular Biology, Institute of Biochemistry and Molecular Genetics, Faculty of Medicine, University of Ljubljana, Slovenia

*Migration assay optimization for mkn45 and mcf-10a cell lines*

## POSTER SESSION 2 – Transcriptome and metabolites

(LIVE in a zoom room at 15:15-16:15, 7 min /presenter)

Chair: Tadeja Režen

**Matija Bajželj**, Department of Rheumatology, University Medical Centre Ljubljana, Slovenia

*Subtyping Patients with Immunoglobulin A Vasculitis using NGS approach*

**Eva Kočar**, Centre for Functional Genomics and Bio-Chips, Institute of Biochemistry and Molecular Genetics, Faculty of Medicine, University of Ljubljana, Slovenia

*Tackling metabolic associated liver diseases patient's stratification with transcriptome profiles*

**Erika Prašnikar**, Department of Reproductive Medicine and Gynaecological Endocrinology, University Medical Centre Maribor, Slovenia

*Molecular signature of endometrial receptivity in adenomyosis*

**Rok Razpotnik**, Centre for Functional Genomics and Bio-Chips, Institute of Biochemistry and Molecular Genetics, Faculty of Medicine, University of Ljubljana, Slovenia

*Transcriptomic changes upon the perturbation of a novel oncogenic circRNA in HCC*

**Tadeja Kuret**, Institute of Cell Biology, Faculty of Medicine, University of Ljubljana, Slovenia

*The Long Noncoding RNA HOTTIP Regulates Cell Cycle and Inflammatory Response in Hand Synovial Fibroblasts*

**Žiga Pušnik**, Faculty of Computer and Information Science, University of Ljubljana, Slovenia

*Incorporation of motif information in the gene regulatory network inference*

**Marija Gjorgoska**, Institute of Biochemistry and Molecular Genetics, Faculty of Medicine, University of Ljubljana, Slovenia

*Combined liquid chromatography-tandem mass spectrometry method for quantification of androgens and 11-oxyandrogens*

**Kaja Blagotinšek Cokan**, Centre for Functional Genomics and Bio-Chips, Institute of Biochemistry and Molecular Genetics & Institute for Biostatistics and Medical Informatics, Faculty of Medicine, University of Ljubljana, Slovenia

*The sterol crystallization and lipid droplets biogenesis in dysregulated cholesterol synthesis are incidental to metabolic associated liver disease progression in mice*

## POSTER SESSION 3 – Life sciences

(slides in the main room between coffee breaks and in a zoom room)

**Denis Babič**, Biotechnical Faculty, University of Ljubljana, Slovenia, Slovenia

*Association between genetic variability in segregation kinases and gastric cancer susceptibility*

**Tina Turel**, Medical Centre for Molecular Biology, Institute of Biochemistry and Molecular Genetics, Faculty of Medicine, University of Ljubljana, Slovenia

*The role of non-coding regulatory regions in development of Familial erythrocytosis*

**Inge Sotlar**, Institute of Biochemistry and Molecular Genetics, Faculty of Medicine, University of Ljubljana, Slovenia

*ACTN3 p.R577X variant is associated with frequency of injuries in Slovenian female football players*

**Karmen Mlinar**, Medical Centre for Molecular Biology, Institute of Biochemistry and Molecular Genetics, Faculty of Medicine, University of Ljubljana, Slovenia

*Analysis of cannabinoid receptors in breast cancer cell lines*

**Hana Trček**, Centre for Functional Genomics and Bio-Chips, Institute of Biochemistry and Molecular Genetics, Faculty of Medicine, University of Ljubljana, Slovenia

*Connection between cholesterol synthesis and the WNT signalling pathway*

**Žiga Vičič**, Centre for Functional Genomics and Bio-Chips, Institute of Biochemistry and Molecular Genetics, Faculty of Medicine, University of Ljubljana, Slovenia

*Comparing gene expression analysis by Oxford Nanopore sequencing and DNA-microarrays on hepatoma HepG2 cells with CYP51 knockout*

**Maja Pušič**, Institute of Biochemistry and Molecular Genetics, Faculty of Medicine, University of Ljubljana, Ljubljana, Slovenia

*Design of 3D in vitro model of peritoneal endometriosis using bioprinting technique*

**Nika Janež**, Department of Biotechnology, Jožef Stefan Institute, Ljubljana, Slovenia

*In vivo imaging of Listeria innocua biofilm by selective staining of surface components*