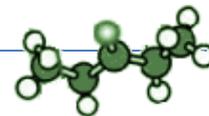




## Proposal of dissertation topics

Department of Medical and Clinical Biochemistry



Field of study: **General Medicine**

Study program: **Clinical Biochemistry – III. degree of study (PhD study)**

Supervisor (S)/Consultant (C)	Topic
doc. RNDr. <b>Anna Birková</b> , PhD.	Monitoring selected urinary biomarkers in nephrotic syndrome - C
doc. Ing. <b>Katarína Dubayová</b> , PhD.	Fluorescence metabolomics - analysis of body fluids of the new generation - C
	Possibilities for laboratory detection of increased cardiometabolic risk in the pediatric - S
Ing. <b>Denisa Harvanová</b> , PhD.	New approaches for monitoring the regeneration of damaged cells - K
MUDr. <b>Renáta Lenártová</b> , PhD.	Study and analysis of methods for determining LDL-cholesterol using the latest methods in patients with selected diseases - K
	Possibilities for laboratory detection of increased cardiometabolic risk in the pediatric - K
prof. Ing. <b>Mária Mareková</b> , CSc.	The role of extracellular vesicles in the diagnosis of inflammatory diseases of the musculoskeletal system - S
	Study and analysis of methods for determining LDL-cholesterol using the latest methods in patients with selected diseases - S
	Characterisation of the tumor microenvironment in pancreatic ductal adenocarcinoma - S
RNDr. <b>Jana Mašlanková</b> , PhD.	Characterisation of the tumor microenvironment in pancreatic ductal adenocarcinoma - K
RNDr. <b>Jana Matejová</b> , PhD.	Modulation of the inflammatory microenvironment of osteoarthritis by extracellular vesicles: the role of macrophage polarization and chondrocyte response - S
prof. RNDr. <b>Miroslava Rabajdová</b> , PhD.	Study of molecular and environmental determinants of reproductive health in the Slovak population - S
	Application of multimodal approaches in endometrial receptivity profiling - S
RNDr. <b>Lucia Slovinská</b> , PhD.	Optimization and validation of methods for isolating extracellular vesicles from biological fluids for clinical practice - S
RNDr. <b>Terézia Šimková</b> , PhD.	Analysis of the relationships between depression and metabolic disorders in the context of intervention possibilities - S
prof. RNDr. <b>Vladimíra Tomečková</b> , PhD.	New approaches for monitoring the regeneration of damaged cells - S
prof. RNDr. <b>Janka Vašková</b> , PhD.	Genetic and Molecular Predictors of the Efficacy and Toxicity of Opioid Analgesics - S
	Personalizing opioid therapy based on genetic and clinical predictors: a prospective evaluation of the efficacy and safety of pain treatment - S