



**Proposal of Topics for Diploma Theses**  
**Department of Medical and Clinical Biochemistry**



Supervisor	Topic	FS
RNDr. <b>Zuzana Badovská</b> , PhD.	Gene Expression Profiling of Selected Genes in Gynecological Malignancies	GM
	MicroRNA-Mediated Regulation of Gene Expression in Endometriosis	GM
doc. MUDr. <b>Anna Birková</b> , PhD.	The effect of acidifying agents on the fluorescent fingerprint of urine	GM
	HPLC/UPLC Analysis of Aromatic Amino Acid Intermediates in Biological Fluids	GM
doc. RNDr. <b>Beáta Čížárová</b> , PhD.	The use of native fluorescence in clinical-biochemical diagnosis	GM
	Dietary polyphenols, natural compounds with great potential in the prevention and treatment of chronic diseases	GM
doc. Ing. <b>Katarína Dubayová</b> , PhD.	Influence of exogenous factors on the urinary fluorescent metabolome – Personalized study	GM
	Effect of HPV infection on the urinary fluorescent metabolome – Data analysis	GM
RNDr. <b>Katarína Fiedlerová</b>	Application of Genetic Methods in the Diagnosis of Lymphomas	GM
doc. Ing. <b>Beáta Hubková</b> , PhD.	The physiological role of orosomucoid (AGP) in relation to marginalized population groups	GM
	Lipoprint as a tool for the early diagnosis of diabetes mellitus complications through the identification of potentially dysfunctional HDL	GM
Mgr. <b>Eva Kriváková</b>	Role of inflammation in endometrial receptivity	GM
doc. RNDr. <b>Jana Mašlanková</b> , PhD.	The role of cell signalling in the progression of pancreatic diseases	GM
doc. RNDr. <b>Marek Stupák</b> , PhD.	Biomarkers of extracellular matrix in gastrointestinal cancers	GM
RNDr. <b>Monika Švecová</b> , PhD.	Stratification of patients with limb ischemia using novel fluorescent biomarkers	GM
doc. Mgr. <b>Peter Urban</b> , PhD.	Study of the expression of selected miRNAs and the proteins of the Wnt pathway in the development and progression of colorectal cancer	GM
	Diagnostic options for the development and progression of pancreatic cancer	GM