



Diploma theses

Department of Medical and Clinical Biochemistry



List of theses for academic year AR 2025/2026

Dissertations - PhD theses						
Topic	Type	A. year	Language	Supervisor	Student	SP
Urinary metabolome in girls with puberty onset disorders	DST	2025/2026	SK	doc. RNDr. Beáta Čižmárová, PhD.	MUDr. Miroslava Majerníková	KBde
Studying the role of TGF- β signalling pathway proteins in gastrointestinal tract tumors	DST	2025/2026	SK	prof. Ing. Mária Mareková, CSc.	Mgr. Ladislav Görög	KBd
Biomarkers of inflammation in tear fluid as predictors of neurodegenerative diseases	DST	2025/2026	SK	prof. RNDr. Vladimíra Tomečková, PhD.	MUDr. Adriána Rašiová	KBde
New possibilities for non-invasive diagnosis of embryo quality in the in vitro fertilization process	DST	2025/2026	SK	doc. MUDr. Silvia Toporczerová, PhD.	RNDr. Martina Martonová	KBde
Diploma theses						
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The Role of TGF- β Signaling Pathway in the Diagnosis and Progression of Pancreatic Cancer	DR	2025/2026	EN	doc. RNDr. Jana Mašlanková, PhD.	Shira Hava Guggenheim	GM
Selected markers of oxidative stress in relation to reproductive health	DR	2025/2026	SK	doc. RNDr. Lukáš Smolko, PhD.	Laura Liptáková	VL
Monitoring biomarkers of Susak syndrome in tear fluid	DR	2025/2026	SK	prof. RNDr. Vladimíra Tomečková, PhD.	Mgr. Veronika Gibová	VL
The role of tryptophan metabolites in major depression disorder	DR	2025/2026	EN	prof. RNDr. Vladimíra Tomečková, PhD.	Hala Khatib	GM
The use of 2D and 3D cell models in the study of infertility	DR	2025/2026	SK	RNDr. Zuzana Badovská, PhD.	Karina Obrová	LVM
Genetics of Tourette syndrome and other rare neurological syndromes - possibilities of their genetic diagnosis	DR	2025/2026	SK	RNDr. Katarína Fiedlerová	Lucia Lukáčová	LVM
Genetic profile of colorectal cancer – overview and possibilities of diagnosis of the most important biomarkers	DR	2025/2026	SK	RNDr. Katarína Fiedlerová	Linda Horská	LVM



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Use of hyaluronic acid in the diagnosis and therapy of diseases	DR	2025/2026	SK	prof. RNDr. Miroslava Rabajdová, PhD.	Emma Zvalčáková	LVM
Study of environmental factors in the assessment of reproductive health	DR	2025/2026	SK	RNDr. Monika Švecová, PhD.	Erika Horváthová	LVM
Optimization of nucleic acid isolation and their PCR analysis	DR	2025/2026	SK	RNDr. Ivana Tóthová, PhD.	Dagmar Andrašková	LVM

DST – Dissertation Thesis

DR – Diploma Thesis

SP – Study Programme