

List of final theses with the start in the academic year 2025/2026

Department of Medical Biology

Thesis title	Language	Supervisor	Student	Study program
Doctoral thesis				
Diploma thesis				
Chromosomal disorders in human	EN	RNDr. Jozef Židzik, PhD.	Paul Günther Scholl	VL-GM
Genetic stability of mesenchymal stem cells and their use in medicine	EN	RNDr. Eva Slabá, PhD.	Clemens Jasper Müller	VL-GM
Medical applications of capsaicin	SK	RNDr. Terézia Hudáková, PhD.	Félix Remiaš	VL

List of final theses with the start in the academic year 2024/2025

Department of Medical Biology

Thesis title	Language	Supervisor	Student	Study program
Doctoral thesis				
Erythropoietin receptor and its role in ovarian cancer cells	SK	doc. RNDr. Peter Solár, PhD.	Mgr. Kristína Danková	LFd
Diploma thesis				
Genetics of dyslipidemias	EN	RNDr. Lucia Klimčáková, PhD.	Alican Antonio Conte	VL-GM
Application of mesenchymal stem cells in gene therapy	SK	RNDr. Eva Slabá, PhD.	Anna Krištanová (Novická)	VL
Genetic testing and its application in clinical practice	SK	RNDr. Jozef Židzik, PhD.	Radoslava Kubaliaková	VL
Genetics and epigenetics of obesity	SK	prof. RNDr. Ján Šalagovič, PhD.	Erik Skasko	VL
Genetic aspects of Huntington's disease	SK	RNDr. Terézia Hudáková, PhD.	Balázs Abaházi	VL
Genomic mutation-related genetic syndromes	SK	RNDr. Terézia Hudáková, PhD.	Chiara Haršányová	VL
Erythropoietin receptor and its role in ovarian carcinoma cells	EN	doc. RNDr. Peter Solár, PhD.	Loren Shehadeh	VL-GM
Genetics of hypertension	EN	RNDr. Lucia Klimčáková, PhD.	Michalina Maria Borkowska	VL-GM

List of final theses with the start in the academic year 2022/2023

Department of Medical Biology

Thesis Title	Language	Supervisor	Student	Study program
Doctoral Thesis				
New biomarkers of cisplatin resistance in ovarian tumors	SK	doc. RNDr. Peter Solár, PhD.	RNDr. Pavol Harvanik	LFd
Diploma Thesis				
Genetics of Prader-Willi and Angelman syndromes	SK	RNDr. Jozef Židzik, PhD.	Mária Magyarová	VL
Diseases with a matroclinous type of inheritance	SK	RNDr. Jozef Židzik, PhD.	Soňa Boháčová	VL
Molecular mechanisms of cancer cell resistance to cisplatin	EN	doc. RNDr. Peter Solár, PhD.	Berkay Bayram Ucar	VL-GM
Excessive intake of added saccharides – a modern medical concern	SK	prof. RNDr. Ján Šalagovič, PhD.	Dominika Ďulajová	VL
The role of miRNA in the pathogenesis, diagnosis, and therapy of human diseases	SK	RNDr. Viera Habalová, PhD.	Michal Švidraň	VL
Epigenetics of multiple sclerosis	EN	RNDr. Eva Slabá, PhD.	Mahra Ekbal	VL-GM
Therapeutic potential of CBD in clinical practice?	SK	prof. RNDr. Ján Šalagovič, PhD.	Viktor Fabian	VL
Nutrition and probiotics in infants and the impact of microbiome composition on health status in adulthood	EN	RNDr. Martina Šemeláková, PhD.	Zdenek Polizoakis	VL-GM

List of final theses with the start in the academic year 2021/2022

Department of Medical Biology

Thesis title	Language	Supervisor	Student	Study program
Doctoral thesis				
Diploma thesis				
Genetic causes of autoimmune diseases	SK	RNDr. Eva Slabá, PhD.	Stella Poulová	VL
The role of the transmembrane receptor ACE2 in infectious diseases	SK	RNDr. Martina Šemeláková, PhD.	Ján Gregor	VL
Use of genetic markers in the diagnosis and treatment of lung cancer	SK	RNDr. Jozef Židzik, PhD.	Lenka Póšová	VL
Use of genetic markers in the diagnosis and treatment of colorectal cancer	SK	RNDr. Jozef Židzik, PhD.	Viktória Kudriková	VL
Autosomal recessive disorder – alkaptonuria	SK	doc. RNDr. Peter Solár, PhD.	Zuzana Balogová	VL
Epigenetics and medicine	SK	prof. RNDr. Ján Šalagovič, PhD.	Martin Vargic	VL
Gene polymorphisms associated with recurrent pregnancy loss	EN	RNDr. Eva Slabá, PhD.	Noreen Madiha Ghafoor	VL-GM
CRISPR technology in treatment of trinucleotide repeat disorders	EN	RNDr. Jozef Židzik, PhD.	Ran Friedman	VL-GM
Oral cancer risks, symptoms, and prevention	EN	doc. RNDr. Peter Solár, PhD.	Milad Eftekhari Shahroodi	VL-DM

List of final theses with the start in the academic year 2020/2021

Department of Medical Biology

Thesis title	Language	Supervisor	Student	Study program
Doctoral thesis				
Diploma thesis				
Gene mutations in colorectal cancer	SK	RNDr. Martina Šemeláková, PhD.	Elena Viazanková	VL
Gene polymorphisms in routine clinical diagnostics: Promise or doubt?	SK	prof. RNDr. Ján Šalagovič, PhD.	Jana Dreveňáková	VL
Molecular mechanism of cancer cell resistance to paclitaxel	EN	doc. RNDr. Peter Solár, PhD.	Ander Arranz Cabezuelo	VL-GM
The role of heat shock proteins in the resistance of cancer cell	EN	doc. RNDr. Peter Solár, PhD.	Mikael Rikardsen	VL-GM
Phenylketonuria – A hereditary metabolic disorder	SK	RNDr. Terézia Hudáková, PhD.	Martin Tarabčák	VL
Treatment of various diseases by using recombinant DNA technology	EN	doc. RNDr. Peter Solár, PhD.	Abraham Popal	VL-GM

List of final theses with the start in the academic year 2019/2020

Department of Medical Biology

Thesis title	Language	Supervisor	Student	Study program
Doctoral thesis				
Erythropoietin receptor and its role in cancer cell signaling	SK	doc. RNDr. Peter Solár, PhD.	Mgr. Zuzana Tóthová	LFd
Diploma thesis				
Genetics of bladder cancer	SK	doc. RNDr. Peter Solár, PhD.	Silvia Švecová	VL
Use of genetic markers in the diagnosis and treatment of breast and ovarian cancer	SK	RNDr. Jozef Židzik, PhD.	Bc. Monika Klimeková	VL
Diagnosis and genetic profiling of autism	SK	RNDr. Martina Šemeláková, PhD.	Ivana Kišiková	VL
The mechanism of cancer cell resistance to chemotherapy	EN	doc. RNDr. Peter Solár, PhD.	Esraa Yousif	VL-GM
The role of telomerase in aging and cancer	EN	RNDr. Jozef Židzik, PhD.	Gokhun Onur	VL-GM
Incidence of infection disease in Sudan	EN	RNDr. Martina Šemeláková, PhD.	Ethar Yousif	VL-GM

List of final theses with the start in the academic year 2018/2019

Department of Medical Biology

Thesis title	Language	Supervisor	Student	Study program
Doctoral thesis				
Diploma thesis				
Erythropoietin receptor and its role in cancer progression	EN	doc. RNDr. Peter Solár, PhD.	Yasmin Mohamed Ibrahim	VL-GM
Rare genetically determined diseases in humans with gonosomal type of inheritance	SK	RNDr. Jozef Židzik, PhD.	Marián Žido	VL

List of final theses with the start in the academic year 2017/2018

Department of Medical Biology

Thesis title	Language	Supervisor	Student	Study program
Doctoral thesis				
Diploma thesis				
Genetic causes of spontaneous abortions	EN	RNDr. Eva Slabá, PhD.	Natalie Al Tarcheh	VL-GM
Human inherited disorders oh hemoglobin	EN	RNDr. Jozef Židzik, PhD.	Rozalin Ghably	VL-GM
Cancer stem cells: Biological significance and therapeutic consequences	EN	RNDr. Lucia Klimčáková, PhD.	Ana Lucia Osorez Fernández	VL-GM
Genetically determined myopathies in humans	SK	RNDr. Helena Mičková, PhD.	Patrícia Takáčová	VL