

SUPERVISION OF DOCTORAL THESES

Doctoral theses supervised by department staff members:

RNDr. Terézia Hudáková, PhD.

RNDr. Lucia Klimčáková, PhD.

RNDr. Helena Mičková, PhD.

RNDr. Eva Slabá, PhD.

doc. RNDr. Peter Solár, PhD.

prof. RNDr. Ján Šalagovič, PhD.

RNDr. Martina Šemeláková, PhD.

prof. RNDr. Janka Vašková, PhD.

RNDr. Jozef Židzik, PhD.

Doctoral theses supervised by department members:

RNDr. Lucia Klimčáková, PhD.

Consultant:

- Genetic background in patients with chronic hepatitis C and its impact on interferon therapy – RNDr. Hana Hermanová – **defended in July 2015** – full-time study, medical pharmacology (Pharmacy, UPJŠ FM)

doc. RNDr. Peter Solár, PhD.

Supervisor:

- Characterization of the erythropoietin receptor in human tumor and normal cells – Mgr. Patrícia Kimáková – full-time study – Molecular cytology (Biology, UPJŠ FoS)
- Functionality of the erythropoietin receptor in breast adenocarcinoma cells and its role in tamoxifen resistance – Mgr. Lenka Ilkovičová – full-time study – Molecular cytology (Biology, UPJŠ FoS)
- Characterization of erythropoietin receptor isoforms in A2780 and HUVEC cells – Mgr. Barbora Fecková – **defended in August 2018** – full-time study – Genetics (Biology, UPJŠ FoS)
- Erythropoietin receptor and its role in breast cancer cell resistance to paclitaxel – Mgr. Erika Szentpéteriová – **defended in August 2019** – full-time study – Molecular cytology (Biology, UPJŠ FoS)
- Erythropoietin receptor and its involvement in tumor cell signaling – Mgr. Zuzana Tóthová – **defended in August 2023** – full-time study – medical pharmacology (Pharmacy, UPJŠ FM)
- New markers of cisplatin resistance in ovarian tumors – Mgr. Pavol Harvaník – full-time study – Medical pharmacology (Pharmacy, UPJŠ FM)
- Erythropoietin receptor and its role in ovarian cancer cells – Mgr. Kristína Danková – full-time study – Medical pharmacology (Pharmacy, UPJŠ FM)

prof. RNDr. Ján Šalagovič, PhD.

Supervisor:

- The significance of biomarkers in assessing the impact of environmental exposure on DNA damage – RNDr. Jozef Židzik – **defended in 2004** – full-time study – General biology (General medicine, UPJŠ FM)
- Genetic markers of the onset and progression of chronic obstructive pulmonary disease – RNDr. Branislav Fleischer – **defended in 2005** – full-time study – General biology (General medicine, UPJŠ FM)

- the role of gene polymorphisms in the pathogenesis of chronic obstructive pulmonary disease – RNDr. Eva Lipčáková (Slabá) – **defended in 2007** – full-time study – General biology (General medicine, UPJŠ FM)
- Pharmacogenetics of type 2 diabetes mellitus – Mgr. Eva Matyášová – full-time study – studies completed – Medical pharmacology (Pharmacy, UPJŠ FM)

Consultant:

- The significance of polymorphisms in selected genes in cancer diseases – RNDr. Erik Biroš – **defended in 2000** – full-time study – General biology (General medicine, UPJŠ FM)
- Selected biomarkers of lung cancer – RNDr. Viera Habalová – **defended in 2000** – full-time study – General biology (General medicine, UPJŠ FM)
- The impact of genetic polymorphism on the frequency of chromosomal aberrations and vitamin levels – RNDr. Jana Schmuczerová – **defended in 2004** – full-time study – General biology (General medicine, UPJŠ FM)
- The impact of gene susceptibility polymorphisms in bladder cancer – RNDr. Lucia Klimčáková – **defended in 2005** – full-time study – General biology (General medicine, UPJŠ FM)
- Polymorphisms of genes influencing the occurrence of macroangiopathy in type 2 diabetes – Mgr. Martina Chleborádová – full-time study – General biology (General medicine, UPJŠ FM)

RNDr. Martina Šemeláková, PhD.

Consultant:

- New markers of cisplatin resistance in ovarian tumors – Mgr. Pavol Harvaník – full-time study – Medical pharmacology (Pharmacy, UPJŠ FM)
- Erythropoietin receptor and its role in ovarian cancer cells – Mgr. Kristína Danková – full-time study – Medical pharmacology (Pharmacy, UPJŠ FM)
- Phylogeography in the Western Carpathians using high-mountain Erebia species (Lepidoptera, Nymphalidae) as a model group – RNDr. Lenka Paučulová – **defended in 2016** – full-time study – General ecology and ecology of individuals and populations (Biology, UPJŠ FoS)
- Altitude as a factor of morphological trait variability in relation to butterflies (Lepidoptera) – RNDr. Barbora Trofimovič (née Mikitová) – **defended in 2021** – full-time study – General ecology and ecology of individuals and populations (Biology, UPJŠ FoS)

prof. RNDr. Janka Vašková, PhD.

Supervisor:

- Polymorphisms of acetylcholinesterase in relation to its efficacy in patients with postoperative residual curarization – MUDr. Lukáš Čuchráč – **defended in August 2025** – external study – Clinical biochemistry (General medicine, UPJŠ FM)
- Redox status of the endometrium and its impact on IVF receptivity – Mgr. Jakub Pudelský – full-time study – studies completed in 2025 – Clinical biochemistry (General medicine, UPJŠ FM)
- The effect of long-term opioid treatment on the redox status of patients – MUDr. Daniela Ogurčáková – **defended in August 2022** – external study – Clinical biochemistry (General medicine, UPJŠ FM)
- Association of oxidative stress markers with the progression of periodontitis – MDDr. Jana Kluknavská – **defended in January 2022** – external study – Clinical biochemistry (General medicine, UPJŠ FM)
- The effect of selected plant-derived natural substances on oxidative stress parameters – MVDr. Martin Haus – full-time study – studies completed in 2020 – Clinical biochemistry (General medicine, UPJŠ FM)
- The effect of humic substances on the resorption of selected heavy metals and pesticides from the gastrointestinal tract – MVDr. Klára Krempaská – **defended in August 2018** – full-time study – Clinical biochemistry (General medicine, UPJŠ FM)

Consultant:

- "Study of selected biomarkers and their diagnostic potential in reproductive medicine using digital tools – Mgr. Gabriela Kováčová – external study – Clinical biochemistry (General medicine, UPJŠ FM)
- Detection of the APOA5 gene in selected patients with a focus on lifestyle diseases – Mgr. Zuzana Gogálová – **defended in December 2019** – full-time study – Biology (FHPV PU)
- The effect of humic acids on the activity of antioxidant enzymes and selected metabolites in blood and organs – Mgr. Daniel Žatko – **defended in August 2017** – full-time study – Clinical biochemistry (General medicine, UPJŠ FM)
- Humic substances and the oxidative status of the organism – MVDr. Andrea Fejerčáková – **defended in August 2014** – full-time study – Clinical biochemistry (General medicine, UPJŠ FM)