
List of supervisors with open PhD positions

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prof. MUDr. Monika Arenbergerová, Ph.D.

Department of Dermatovenereology 3FM CU and UHKV

Topic title

Pathogenesis and prevention of acne scars

Risk factors of melanoma in adolescent and young adult

Epidemiology of hidradenitis suppurativa in the pediatric population

[Detail](#)



prof. MUDr. Petr Arenberger, DrSc., MBA, FCMA

Department of Dermatovenereology 3FM CU and UHKV

Topic title

Epidemiology of mycosis fungoides patients

[Detail](#)



Mgr. Lenka Rossmeislová, Ph.D.

Laboratory of Physiology and Pathophysiology of Adipose Tissue
Department of Pathophysiology

Topic title

Interaction between adipose tissue and the lymphatic system
Characterization of adipose tissue properties affected by exercise
[Detail](#)



Doc. MUDr. Irena Aldhoon Hainerová, Ph.D.

Department of Children and Adolescents 3FM CU and UHKV

Topic title

Increased body weight and cardiometabolic risks in children and adolescents: effective strategy to lifestyle changes, use of telemedicine, predictors of body weight reduction and maintenance, the role of pharmacotherapy and microbiota (to be individually discussed)

[Detail](#)



doc. RNDr. Petr Heneberg, Ph.D.

Metabolism Reprogramming Lab
Department of Internal Medicine 3FM CU and UHKV

Topic title

Metabolism of ovarian cancer tumors
[Detail](#)



MUDr. Jan Hrudka, Ph.D.

Department of Pathology 3FM CU and UHKV

Topic title

The prognostic predictive markers in penile carcinoma: a molecular and morphological study.

Rare subtypes of pancreatic carcinoma: genomic and proteomic prognostic markers.

Cholangiocarcinoma: immunohistochemical markers of peripheral and hilar subtype, link to prognostic and predictive markers.

[Detail](#)



doc. MUDr. Spyridon Gkalpakiotis, Ph.D.

Department of Dermatovenereology 3FM CU and UHKV

Topic title

Immunothrombosis - a new therapeutic target for the prevention of major cardiovascular events in patients with psoriasis

[Detail](#)



doc. MUDr. Norbert Pauk, Ph.D.

Department of Pneumology 3FM CU and UH Bulovka

Topic title

Pneumology

[Detail](#)



prof. MUDr. Ladislav Krofta, CSc.

Institute for the Care of Mother and Child 3FM CU

Topic title

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[Detail](#)



prof. MUDr. Pavel Kalvach, CSc.

Department of Neurology 3FM CU and UHKV

Topic title

Capacity of language skills (naming and repetition) in motherlanguage vs foreign languages. Insufficient knowledge compared with disease deficits

[Detail](#)



MUDr. Petr Potměšil, Ph.D.

Department of Pharmacology 3FM CU

Topic title

Pharmacokinetics - use of software MW-Pharm in therapeutic monitoring of levels of antidepressant or depot antipsychotic drugs

Pharmacovigilance in oncology - incidence of serious or unexpected adverse events during treatment with capecitabine or 5-fluorouracil in patients screened for the presence of complete dihydropyrimidine dehydrogenase deficiency

[Detail](#)



prof. MUDr. Tomáš Hájek, Ph.D.

National Institute of Mental Health, Klecany
Department of Psychiatry, Dalhousie University, Nova Scotia, Canada

Topic title

Brain imaging studies in bipolar disorders and schizophrenia

[Detail](#)



MUDr. Jana Urbanová, Ph.D.

Diabetology Centre and the Centre for Research on Diabetes, Metabolism and Nutrition, Department of Internal Medicine 3FM CU and UHKV

Topic title

Hypoglycaemia in patients treated with a hybrid closed-loop insulin pump

[Detail](#)



doc. MUDr. Ludmila Brunerová, Ph.D.

Department of Internal Medicine 3FM CU and UHKV

Topic title

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[Detail](#)



prof. MUDr. Pavel Kraml, Ph.D.

Department of Internal Medicine 3FM CU and UHKV

Topic title

New risk factors of atherosclerosis associated cardiovascular diseases

[Detail](#)



prof. MUDr. Ivana Štětkařová, CSc.

Department of Neurology 3FM CU and UHKV

Topic title

Metabolomics in cerebrospinal fluid in Guillan-Barré syndrome

[Detail](#)



doc. MUDr. František Duška, Ph.D.

Department of Anaesthesia and Intensive Care Medicine 3FM CU and UHKV

Topic title

To be discussed individually. Could be in the field of bioenergetics and skeletal muscle weakness, acid base physiology or gut microbiome and critical illness.

[Detail](#)



doc. MUDr. Jan Gojda, Ph.D.

Clinical Research Unit, Department of Internal Medicine 3FM CU and UHKV

Topic title

Intestinal microbiome and metabolome as the link between diet and metabolic profile
Metabolic flexibility: response predictors to diet/exercise intervention
Metabolic bone disease in patients on home parenteral nutrition

[Detail](#)



MUDr. Adéla Krajčová, Ph.D.

Oxylab, Department of Anaesthesia and Intensive Care Medicine 3FM CU and UHKV

Topic title

Pathophysiology of intensive care acquired muscle weakness - the role of mitochondrial dysfunction

[Detail](#)



prof. MUDr. Jan Trnka, Ph.D.

Laboratory for Metabolism and Bioenergetics, Department of Biochemistry, Cellular and Molecular Biology

Topic title

The interplay between ER-stress and mitochondrial stress in normal and cancer cells.

[Detail](#)



doc. MUDr. Martin Oliverius, Ph.D.

Department of General Surgery 3FM CU and UHKV

Topic title

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[Detail](#)



doc. RNDr. Pavel Souček, CSc.

Department of Toxicogenomics, Centre for Toxicology and Health Safety, State Institute of Health

Topic title

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[Detail](#)

RNDr. Radka Václavíková, Ph.D.

Department of Toxicogenomics, Centre for Toxicology and Health Safety, State Institute of Health

Topic title

-

Mgr. Viktor Hlaváč, Ph.D.

Department of Toxicogenomics, Centre for Toxicology and Health Safety, State Institute of Health

Topic title

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doc. PharmDr. Magdaléna Šustková, CSc.

Department of Pharmacology 3FM CU

Topic title

New pharmacological approaches in addiction treatment based on neuronal cooperations in the brain reward system

[Detail](#)



prof. MUDr. Marcela Grünerová Lippertová, Ph.D.

Department of Rehabilitation Medicine 3FM CU and UHKV

Topic title

Neuromodulation and its use in neurorehabilitation

Virtual reality in neurorehabilitation

Detail