



BIOMEDICAL
CENTER



Ph.D. Positions Opening Now

at the Biomedical Center, Faculty of Medicine in Pilsen,
Charles University, Czech Republic



Students for the following Ph.D. study topics are sought in the doctoral study programme of Experimental Surgery:

DNA damage and its repair in mitochondrial DNA, implications in cancer cell*

Tutor: Pavel Vodička

Telomere homeostasis in interaction with DNA damage response in solid carcinogenesis*

Tutor: Pavel Vodička

Genomic/chromosomal instability in relation to microenvironment in colorectal cancer*

Tutor: Ludmila Vodičková

Modelling of vessel tree in liver based on multi-domain CT scans*

Tutor: Miroslav Jiřík

Differences in miRNA profile between colorectal cancer and colorectal cancer liver metastasis

Tutor: Filip Ambrozkiwicz

Explaining transition from nonmetastatic stage II to metastatic stages III and IV colon cancer through assessment of tumor microenvironment

Tutor: Andriy Trailin

Immune cell landscape in primary and metastatic colorectal cancer

Tutor: Andriy Trailin

Assessment of pharmacogenomics in breast cancer using multiomics methods*

Tutor: Viktor Hlaváč

Analysis of non-coding RNA as potential biomarkers in patients with solid tumors*

Tutor: Karolína Šeborová

Identification of prognostic and predictive molecular biomarkers of solid tumors at the level of DNA, RNA and in the form of circulating tumor DNA*

Tutor: Radka Václavíková

New therapeutic regimens and molecular basis of their action in experimental models of solid tumors*

Tutor: Radka Václavíková

Assisted recellularization of porcine liver scaffolds: Role of acoustic waves in tissue engineering*

Tutor: Vladimíra Moulisová

Decellularized porcine vessels as grafts with a great potential*

Tutor: Vladimíra Moulisová

Application deadline: **April 30, 2023**

More about us: www.liskalab.eu, www.biomedic-plzen.cz, www.lfp.cuni.cz

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Department of Science and Research

Charles University, Faculty of Medicine in Pilsen

