



The Laboratory of Molecular Mechanisms in Blood Diseases

at the Institute of Pathological Physiology (PatFyz)

is looking for

Motivated Ph.D. student

in the field of medical molecular biology

Lab at a glance: Our research activity is focused on the understanding of molecular mechanisms in human B-cell leukemia in relation to microRNA.

Current research aims: Elicit how deletion of oncogenic, hypoxia miR-155 and CDKs in CLL cells affect cell proliferation, cell cycle dynamics under normoxia vs hypoxia conditions. To describe changes in the transcriptome, miRnome and metabolome of miR-155 deficient CLL cells.

Methods: Gene editing (CRISPR/Cas9), Gene expression analysis (mRNA, miRNA), Sequencing (mRNA, miRNA), Proteomics (WB, MS), Coy hypoxic glove box and other (cell sorting by FACS, Image cytometry, Fluorescence microscopy,...).

More information on: <http://patofyziologie.lf1.cuni.cz/the-laboratory-of-molecular-mechanisms-in-blood-diseases>

In case of your interest, please contact:

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