



**CHARLES UNIVERSITY**

First Faculty of Medicine

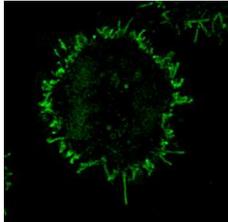
Department BIOCEV

Průmyslová 595, 252 50 Vestec, Czech Republic

Head: Prof. Tomas Stopka MD, PhD

**9.3.2021**

## Open Position: PhD Student



BIOCEV, Havranek lab

<https://biocev.lf1.cuni.cz/havranek-lab>

<http://www.biocev.eu/en/>

### Laboratory

Our laboratory focuses on basic tumor biology of lymphomas (malignant tumors derived in majority from B-lymphocytes) with close relation to the basic biology of B-cells. Our laboratory has expertise in general molecular biology and cell culture techniques as well as genomic applications, flow cytometry or advanced methods like super-resolution microscopy, targeted genomic modifications, or Förster resonance energy transfer based biosensors.

### Project:

## Metabolic Adaptation of Lymphomas

Many malignant cells alter their metabolism to cover increased energy and synthesis need of fast growing and dividing cells. This was also demonstrated in lymphoma. We would like to focus on more detailed characterization of lymphoma metabolism using metabolomic approaches combined with targeted manipulations of genes involved in lymphoma pathogenesis, test metabolic adaptation of tumor cells to microenvironment, and try to show metabolic constraints of cell cycle progression.

We are looking for enthusiastic candidates who are interested in high quality basic and translational tumor biology research and are willing to learn a wide spectrum of advanced research methods.

We offer position in a young and dynamic research group with established international collaborations working within the BIOCEV institute with its exceptional core resources and equipment.

Position is available starting immediately (with enrolment to Ph.D. program in the academic year 2021/22) with competitive salary and two-year extendable contract.

### Contact

Applicants are encouraged to provide a short CV in English to [ondrej.havranek@lf1.cuni.cz](mailto:ondrej.havranek@lf1.cuni.cz)



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