

Ph.D. POSITION IN CANCER RESEARCH

We are seeking a highly motivated Ph.D. student to join a young and dynamic research team at the **Department of Cytokinetics**, Institute of Biophysics of the Czech Academy of Sciences, Czech Republic.

RESEARCH TOPICS

- Cancer Cell Plasticity • Tumor Heterogeneity • Cancer Stem Cells
- Epithelial-to-Mesenchymal Transition • Circulating Tumor Cells
- Dissemination • Drug Resistance • Synthetic Lethality

PROFILE OF CANDIDATE

- Interest in cell and cancer biology • High motivation and enthusiasm
 - Familiar with molecular and cell biology methods
 - English communication skills (both oral and written)

APPLICATIONS

The applicants should send *Curriculum Vitae* and a short cover letter, including scientific interest and future plan, diploma thesis (or its annotation) and contacts of the current supervisor and co-supervisor to Karel Souček (ksoucek@ibp.cz) by **March 14, 2021**. Selected candidates will be invited for an interview in the last week of March, 2021.

The study is under the umbrella of **The Ph.D. program Animal Physiology, Immunology and Developmental Biology**, submission deadline until midnight **30 Apr 2021**.

<https://www.sci.muni.cz/ofiz/vyuka/informace-pro-studenty/doktorske-studium/>



Selected publications

Remsik J, et al. Plasticity and intratumoural heterogeneity of cell surface antigen expression in breast cancer. *Br J Cancer* 2018.

Drapela S, et al. The CHK1 inhibitor MU380 significantly increases sensitivity of human docetaxel-resistant prostate cancer cells to gemcitabine by induction of mitotic catastrophe. *Mol Oncol* 2020.

Samadder P, et al. Synthesis and Profiling of a Novel Potent Selective Inhibitor of CHK1 Kinase Possessing Unusual N-trifluoromethylpyrazole Pharmacophore Resistant to Metabolic N-dealkylation. *Mol Cancer Ther* 2017.

