

Offer of topics for Ph.D. study projects in Third Faculty of Medicine, Charles University in Prague

Project:	Molecular biomarkers for individualization of anticancer therapy in experimental models and patients with solid tumors
Mentor (Advisor):	Radka Vaclavikova PhD
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Project Narrative:	The aim of doctoral study will be evaluation of the importance of molecular biomarkers of tumor prognosis and efficacy of anticancer drugs using modern pharmacogenomic approaches. During the study, expression profiles of candidate biomarkers, as well as their genetic variability and regulation of gene expression will be investigated in blood and solid tumor tissue samples. The significance of potential biomarkers will also be studied using <i>in silico</i> tools and <i>in vitro</i> and <i>in vivo</i> experimental models.
Requirements for student applicants	Postgradual student of Faculty of Science or Faculty of Medicine