

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

Project:	<b>Molecular biomarkers for individualization of anticancer therapy in experimental models and patients with solid tumors</b>
Mentor (Advisor):	<b>Radka Vaclavikova PhD</b>
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Project Narrative: ( <i>max. 500 characters including spaces</i> ):	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: ( <i>specify your requirements such as degrees or period after degree was granted</i> )	<b>Postgradual student of Faculty of Science or Faculty of Medicine</b>