

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

Project:	Mechanisms of the monogenic diabetes onset, progression and therapy
Mentor (Advisor):	RNDr. Petr Heneberg, Ph.D.
Department:	2nd Department of Internal Medicine
Contact information:	petr.heneberg@lf3.cuni.cz; tel. 775 311 177
Project Narrative: (<i>max. 500 characters including spaces</i>):	With the onset of genetics, numerous forms of monogenic diabetes were identified in patients diagnosed formerly as having type 1 or 2 diabetes only. In your project, you are expected to elucidate the mechanisms of MODY onset and progression based on functional validation of abnormalities in enzymatic activity of molecules carrying MODY-associated mutations. Besides the basal enzymatic activity, you will address the effects of preclinically and clinically used pharmacotherapeutics.
Requirements for student applicants: (<i>specify your requirements such as degrees or period after degree was granted</i>)	Project funding includes fellowships and part-time jobs for motivated students participating on the project.