

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
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Project Narrative: (<i>max. 500 characters including spaces</i>):	With onset of genetics, numerous forms of monogenic diabetes had been identified in subjects diagnosed formerly as having type 1 or 2 diabetes only. In the proposed project, you are expected to focus on elucidation of 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>)	Subject area board of PhD studies: Molecular and Cellular Biology, Genetics and Virology or Immunology