



Petr Heneberg

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Petr graduated in Biology from Charles University in Prague. During his master and doctoral studies, he specialized in mast cell submembrane signaling under the supervision of Petr Dráber at the Institute of Molecular Genetics AS CR. Afterwards, in 2008-2011, Petr held a postdoc position at the Division of Stem Cell and Developmental Biology of the Ontario Cancer Institute in Toronto, Canada, where he focused on the role of protein tyrosine phosphatases in cancer onset and progression under the guidance of Benjamin G. Neel. After returning back to the Czech Republic, Petr established a laboratory affiliated with the Third Faculty of Medicine (currently called the Metabolism Reprogramming Lab). The newly formed laboratory focused on various aspects of metabolism, particularly on the effects of aberrant activity of hexokinases, first on glucokinase diabetes, later on the roles of hexokinases in cancer. The recent topics include the research on the cancer-associated reprogramming of energetic metabolism in high grade serous ovarian carcinomas and clear cell renal carcinomas and the analysis of the same metabolic pathways in corresponding healthy tissues. PI of several projects funded by GAČR, TAČR, AZV, IGA MZ ČR, etc.; member of editorial boards of Diabetes Care (2018-2020), PLoS ONE (since 2015) and Anti-Cancer Agents in Medicinal Chemistry (since 2011); 169 papers in peer-reviewed journals, 2313 citations (WOS).