**PhD position: Gene expression in cancer and stem cells**

**A PhD position is available in the gene regulation group at the Institute of Biology and Medical Genetics at the 1st Faculty of Medicine of Charles University in Prague. The project will be focused on elucidating the molecular mechanisms behind gene expression regulation (Wnt and Shh signaling, post-translational modifications, alternative promoters, epigenetics), on their role in differentiation of stem cells, and on the consequences of their malfunction in various diseases including cancer. The student will be trained to use predominantly molecular biology approaches (e.g. Q-PCR, ChIP, Co-IP, reporter assays) and microscopic techniques, and will participitate in establishing some more advanced techniques (e.g. CRISPR/Cas9 and stem cells). To find out more, send** your CV and motivation letter to tomas.vacik@lf1.cuni.cz.