

invites to a seminar by

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Gli transcription factors – a roadmap from biochemistry to
therapy

22nd of June 2017 at 12:00 p.m.

Venue: Centre of New Technologies, Banacha 2C,
Lecture Hall 0142 (ground floor)

Host: Prof. Joanna Kargul

Gli proteins are transcription factor effectors of Hedgehog (Hh) signaling. Their deregulation can lead to malignant transformation in the brain, skin, breast, pancreas, and other organs. Gli proteins are regulated by an intricate interplay of protein-protein interactions, posttranslational modifications, and protein trafficking into the nucleus and the primary cilium. I will show how Gli phosphorylation, acetylation, and proteasomal degradation control the transcriptional output of Hh signaling and discuss potential implications for the treatment of Hh-dependent tumors.