"Intertwined tumorigenesis highways: Ras and Hippo in growth control"

Research Focus: Cell-cell signalling during development and cancer

Summary: Cells in an organ take life and death decisions based on the input they receive from their environment and neighbours. For example, certain cancer cells can cause their healthy neighbours to commit suicide. The inputs from the environment and from the nearby cells are translated into cellular actions, such as proliferation or differentiation, by the signalling pathways. My research focuses on three pathways, Ras, BMP and Hippo, that are commonly mutated in cancer and aims to understand how they interact with each other during development and tumorigenesis. I will present our recent findings that revealed an intimate connection between Ras and Hippo signalling pathways at the transcriptional level.