The formation of the correct numbers of arteries and veins is crucial for embryonic development and during tissue regeneration in adult organisms. Furthermore, blood vessels need to acquire appropriate diameters for the efficient delivery of blood throughout the body. It has become clear that genetic signaling pathways in addition to physiological cues, such as hemodynamic forces, orchestrate blood vessel development. Using zebrafish, we identified several genetic pathways that are important for controlling the migratory behaviors and shapes of endothelial cells during these processes.

Selected References


Wednesday, March 20th, 2019 at 2:15 pm

MPIDS, Seminar room 0.77, Am Faßberg 17, Göttingen