

The focus of my research is understanding the molecular regulation of cardiac contraction/relaxation in the context of cardiomyopathies. During my postdoctoral research in Amsterdam and Chicago I have focused on hypertrophic cardiomyopathy research in patient material and in mouse models. Over the last years as an assistant professor at Amsterdam UMC, I have developed new methods to measure cardiomyocyte contractility, including a novel high-throughput setup to perform drug screenings in isolated mouse cardiomyocytes and hiPSC-CMs. Understanding disease pathophysiology and developing novel tools to do so, is my current focus. With understanding the role of microtubules, the Z-disc, intercellular communication and variability in drug response in hypertrophic cardiomyopathy being the main areas of interest.