

Marie-Ange Renault

I have been a permanent researcher (CRCN Inserm) since 2011 and do research at Inserm UMR 1034 in Bordeaux, a research laboratory historically interested in cardiovascular diseases. My research focuses on (1) identifying the molecular triggers of microvessel disease, particularly in the context of cardiometabolic diseases, and (2) characterizing the mechanisms by which microvessel disease may contribute to the pathophysiology of cardiovascular diseases, including heart failure with preserved ejection fraction and chronic limb-threatening ischemia. I have been involved in cardiovascular research for over 20 years (PhD and postdoctoral training). During my doctoral training, I studied the role and regulation of SPP1 (also known as Osteopontin) in smooth muscle cells. I gained expertise in Hedgehog signaling and endothelial cell biology during my first 4 years post-doctoral position in Douglas W. Losordo's laboratory (Feindberg Cardiovascular research Institute, Northwestern University, Chicago, USA).