

Cellular Immunity as therapeutic target in myocardial disease

The research group focuses on the role of leukocytes in myocardial healing and remodeling. In particular, we focus on the interaction of T-cells and macrophages after myocardial infarction. CD4+ T-cells have an important regulatory function on the generation of monocytes and on the differentiation of macrophages in the myocardium. We are particularly interested in developing immunotherapeutic approaches in order to favorably modify the cellular immune response to acute and chronic cardiac injury.