

Special Issue

Innovative Targeted Drug Delivery and Imaging Strategies for Ischemic Myocardial Injuries

Message from the Guest Editor

The Special Issue addresses innovative strategies to image infarcted myocardium or to deliver active principles into diseased tissue. At present, patients with myocardial infarction benefit from diverse strategies of revascularization. However, revascularization often leads to new cellular and tissue injuries globally referred to as ischemia/reperfusion (I/R) injuries. Some strategies are clinically applied to reduce these I/R injuries. However, these strategies do not sufficiently avert cardiomyocyte losses and remodeling of the cardiac tissue, which ultimately leads to heart failure. In this context, innovative strategies have found their place to achieve the targeted delivery of active principle while further increasing the sensitivity and selectivity of the targets for the cardiac imaging of lesions. For this Special Issue, we invite the submission of manuscripts covering the synthesis and characterization of targeting systems for the imaging and/or therapy of ischemic myocardial tissue (nanoparticles, liposomes, extracellular vesicles, etc.). This includes physical and chemical characterization, in vitro and in vivo assessments, and toxicological assessment strategies.

Guest Editor

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