

Special Issue

Molecular Imaging in Nanomedical Research

Message from the Guest Editor

Since the 1990s, nanomedicine has dealt with the development of nanomaterials for diagnostics or therapy. Especially in the last decade, the progress of nanomedical research took advantage of the widespread application in vitro and in vivo of imaging techniques for the characterization and preclinical/clinical testing of nanomedical tools. Light and electron microscopy, magnetic resonance imaging, optical imaging, positron emission tomography, and ultrasound imaging have mostly been used, while other imaging techniques have been originally applied to nanomedical issues, often adapting conventional methods to particular purposes; this has allowed us to successfully describe the biodistribution, targeting, efficacy and clearance of novel nanoconstructs in single cells, tissues, organs or the whole organisms. All researchers involved in nanomedical research (chemists, physicists, pharmacologists, biotechnologists, biologists, physicians) are invited to submit their manuscripts.

Guest Editor

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