

# CALL FOR PAPERS

Molecular imaging allows the view of biological processes taking place at a cellular and molecular level. This is made possible by the development and use of new drugs and advanced materials in combination with a range of imaging techniques, which include but are not limited to magnetic resonance imaging (MRI), computed tomography (CT), positron emission tomography (PET), and single photon emission computed tomography (SPECT). Thus, the use of molecular imaging techniques has become a valuable way for early diagnosis of a range of diseases, as well as a powerful tool for the design of therapies, with unprecedented potential for personalized medicine. Therefore, the development of nanodrugs as molecular imaging agent is essential to improve medical outcomes, since they are capable of overcoming many biological and biophysical barriers. The combination of these techniques with new nanodrugs will enable researchers and clinicians to understand a variety of clinical disorders in living subjects. In this context, nanoparticles such as liposomes, mesoporous silica, polymeric nanoparticles, solid lipids nanoparticles, and quantum dots have become important smart molecular imaging devices for the improvement in the diagnosis and treatment of diseases, such as cancer and cardiovascular diseases.

This special issue intends to publish works of highest technical quality in the field of molecular imaging, using nanoplatforms as smart and unique compounds for imaging and therapy in a range of diseases.

Potential topics include but are not limited to the following:

- ▶ Polymeric nanoparticles
- ▶ Mesoporous silica nanoparticles
- ▶ Nanocrystals
- ▶ Quantum dots
- ▶ Nanobiomaterials

Authors can submit their manuscripts through the Manuscript Tracking System at <https://mts.hindawi.com/submit/journals/cmmi/mimf/>.

Papers are published upon acceptance, regardless of the Special Issue publication date.

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