

Special Issue

Molecular Imaging in Precision Medicine: A Challenging Alliance

Message from the Guest Editors

Precision medicine represents a novel and revolutionary approach, by which a specific treatment is tailored on the basis of each patient's epigenetic, molecular and environmental characteristics. In this scenario, novel imaging techniques provide a unique opportunity to investigate disease at a molecular level in order to obtain an in vivo characterization. Furthermore, this approach can be applied in a dynamic fashion, using different imaging probes to follow disease evolution during therapy, thus promptly detecting the onset of resistance to a specific drug. Molecular imaging through different techniques (SPECT/CT, PET/CT, optical imaging) has been applied in the field of precision medicine with promising results. In the present Special Issue, we solicit original studies or review articles highlighting the challenging alliance between molecular imaging and precision medicine, with a particular emphasis on the ongoing studies in the less-explored scientific fields, such as the emerging applications of nanotechnology and nanomedicine.

Guest Editors

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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