Special Issue

Biomedical Applications of Nanoscintillators

Message from the Guest Editors

Dear colleagues, Nanoscintillators are emerging nanomaterials that have rapidly gained a growing amount of interest for theranostic biomedical applications. Although scintillating materials were initially developed for the detection of ionizing radiations, nanoscintillators are currently investigated for their ability to potentiate radiation therapy via the physical radiation dose-enhancement effect, radioluminescence-induced photodynamic therapy, and the direct generation of DNA damage through the emission of UV-C radioluminescence. In this Special Issue, we welcome submissions of high-quality research and review articles presenting investigations of biomedical applications of nanoscintillators and related content. We welcome all type of report, including in silico, in vitro and in vivo studies.

Guest Editors

Dr. Anne-Laure Bulin

Synchrotron Radiation for Biomedicine, UA07 INSERM, Université Grenoble-Alpes, European Synchrotron Radiation Facility, Biomedical Beamline, 38043 Grenoble CEDEX 9, France

Prof. Dr. Anna Vedda

Department of Materials Science, University of Milano-Bicocca, Via R. Cozzi 55, I-20125 Milano, Italy

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Editor-in-Chief

Prof. Dr. Gabriele Multhoff
Central Institute for Translational Cancer Research (TranslaTUM), Klinikum rechts der Isar der Technischen Universität München, 81675 Munich, Germany

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