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Smart Nanomaterials: Molecular Design for Advanced Medicine

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Message from the Guest Editors

The marriage between nanotechnology and biomaterials science promises to revolutionize medical practice. Actually, nanomaterials, featuring superior size-tunable properties, high intrinsic reactivity, and sizes comparable with those of functional moieties in biology can establish strong interactions with biological systems, thus triggering key biological events and ultimately driving cells fate. Materials design at the nanoscale allows fine tuning of their physical-chemical properties, providing unique tools for scientists to unveil biochemical pathways and set up more personalized treatment with enhanced therapeutic efficacy.

This Special Issue aims to collect theoretical, experimental, and review contributions to show the most recent advances in nanomaterials in medicine as well as the challenges and opportunities provided by the materials design at the nanoscale in the field of biomedical devices.

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Special Issue



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Message from the Editor-in-Chief

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