



Self-Assembling Peptide-Based Biomaterials: Smart Materials for Biomedical Applications

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Message from the Guest Editors

Dear colleagues,

Self-assembling peptides can be found in native proteins or designed and synthetically engineered to encompass several biological properties, such as biocompatibility, biodegradability, and extracellular matrix-mimicking processes. Control of the assembly or disassembly behavior of peptides is essential for their biological application; for example, peptide-based biomaterials as drug carriers need suitable sensitivity toward different stimuli to be able to produce a controlled drug release.

This Special Issue on “Self-Assembling Peptide-Based Biomaterials: Smart Materials for Biomedical Applications” welcomes original research papers and reviews in the field, with focus on the synthesis and characterization of novel self-assembling peptide-based material components and their potential for biomedical applications, including theranostic approaches.





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Message from the Editor-in-Chief

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