Special Issue

Nanotransporters for Drug Delivery and Precise Medicine

Message from the Guest Editors

This Special Issue aims to present the recent advances in designing nanocarriers for drug transportation, from their nature and functionalization to mechanisms of targeted drug delivery and current limitations, thereby outlining progress in precision medicine. We are pleased to invite authors to contribute original research and review articles on the aforesaid subject. Research topics may include, but are not limited to, the following:

- Design strategies;
- Surface functionalization;
- Targeting mechanisms of drug-nanotransporters;
- Strategies for controlled drug release and site-specific delivery;
- Applications of drug-nanotransporters in precision medicine;
- Molecular mechanisms targeted by drug delivery systems;
- Inhibitors of pro-oncogenic signaling pathways.

Guest Editors

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Deadline for manuscript submissions

closed (25 November 2023)

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Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal–organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access.

Editor-in-Chief

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