## **Special Issue**

# Nanomedicine and Nanotechnology: Recent Advances and Applications

## Message from the Guest Editor

This Special Issue aims to curate a collection of highimpact research articles and authoritative reviews that exemplify innovation, originality, and transformative potential at the nexus of nanomaterials, biomedical engineering, and pharmaceutical applications. We seek contributions that illuminate significant advances in the design, synthesis, characterization, and clinical translation of nanoscale systems—spanning smart stimuli-responsive nanocarriers, multifunctional theranostic platforms, nano-bio interaction studies, and emerging applications in gene editing, immunomodulation, or precision medicine. Submissions should emphasize rigorous scientific methodology, clear clinical relevance, and a forward-looking perspective capable of guiding future research trajectories. Priority areas include but are not limited to novel drug delivery systems engineered for spatial-temporal control; nanodiagnostics integrating sensing, imaging, and therapy; mechanistic studies addressing biocompatibility, toxicity, and regulatory pathways; and scalable manufacturing strategies bridging laboratory innovation to clinical practice.

#### **Guest Editor**

Prof. Dr. Wei Wu

Department of Pharmaceutics, School of Pharmacy, Fudan University, Shanghai 201203, China

## Deadline for manuscript submissions

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Pharmaceutics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
pharmaceutics@mdpi.com

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Prof. Dr. Patrick J. Sinko

Ernest Mario School of Pharmacy, Rutgers, The State University of New Jersey, William Levine Hall, Room 225C, 160 Frelinghuysen Road, Piscataway, NJ 08854-8020, USA

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