

Special Issue

Applications of Nanomaterials: Theranostic Imaging in Health and Disease

Message from the Guest Editors

Cancer, bacterial infections and degenerative diseases are the leading diseases in the world causing various health problems and human deaths each year. Recently, multifunctional nanomaterials have opened up new opportunities for personalized diagnosis and treatment approaches, which mainly involve: i) early detection of disease via specific biomarkers; ii) molecular imaging of tumors, both primary and metastasis; iii) specific delivery of therapeutic agents; iv) photothermal and photodynamic ablation of tumors and bacterial infections; v) overcoming tumor hypoxia; vi) real-time monitoring of treatment in progression. In addition, nanotechnology and nanomaterials stand as potential candidates to conquer degenerative diseases such as Arthritis, Parkinson's disease, Alzheimer's disease, Osteoporosis, etc., via delivery of drug/biomolecules to the target site with greater biocompatibility. The main aim of this Special Issue is to cover the recent promising research advancements and novel trends in the field of multifunctional nanomaterials for cancer therapeutics and diagnostics. We are greatly looking forward to receiving the submission of high-quality and original research works.

Guest Editors

Prof. Dr. Chia-Hao Su
Dr. Fong-Yu Cheng
Prof. Dr. Chien-Chih Ke

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

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Message from the Editorial Board

Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

Editors-in-Chief

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Department of Cellular and Molecular Medicine, Faculty of Health and Medical Sciences, University of Copenhagen, Blegdamsvej 3C, DK-2200 Copenhagen, Denmark

Prof. Dr. Lukasz Kurgan

Department of Computer Science, Virginia Commonwealth University, Richmond, VA 23284, USA

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