



The Nanoparticle Revolution: Cross Disciplinary Approaches to Disease Study and Treatment Design

Guest Editors:

Dr. Francesca Pagano

Institute of Biochemistry and Cell Biology, National Council of Research (IBBC-CNR), 00015 Monterotondo, Italy

Dr. Francesca Petronella

Institute of Crystallography, National Council of Research (IBBC-CNR), 00015 Rome, Italy

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Message from the Guest Editors

Dear Colleagues,

Nanoparticles are gaining increasing attention in the medical science field. Their reduced dimensions, as well as the high degree of freedom in nanoparticle design, synthesis and functionalization, has allowed their use in multiple investigations on disease. Suitably engineered nanoparticles can be used for targeted drug delivery, as therapeutic agents, for cell tracing, and in theranostic applications.

To date, nanoparticle-centered projects are focused mainly on dissecting and treating cancer; however, the wide application range of functional nanoparticles makes them appealing in other pathological contexts. In particular, cardiovascular disease, a major cause of death worldwide, represents a good substrate for the development of innovative methods to tackle this disease. In addition, nanoparticles serve as crucial elements for the bio-fabrication of non-animal models.

We invite contributors to submit original research papers or reviews that focus on the recent advances in the field of disease study and treatment design based on nanoparticles, with a particular focus on the cardiovascular system.

Dr. Francesca Pagano
Dr. Francesca Petronella
Guest Editors





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Editor-in-Chief

Prof. Dr. José L. Quiles

Department of Physiology,
Institute of Nutrition and Food
Technology “Jose Mataix”,
Biomedical Research Center,
University of Granada, Avda.
Conocimiento s/n, 18100 Armilla,
Granada, Spain

Message from the Editor-in-Chief

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