Special Issue

Nano-Scale Gene Delivery Systems

Message from the Guest Editor

Currently, two big challenges in medicine concern (i) the development of highly efficient and biocompatible nanomaterials and (ii) the use of gene therapy. The coupling of these two fields could lead to an unprecedented technological advance and a therapeutic strategy of rupture, thanks to the development of furtive and targeted nanocargos for gene delivery. In this Special Issue, we are especially interested in works that describe nanomaterials or polymers that are able to capture nuclei acids and deliver them to the targeted tissue. This delivery could be passive or dependent on an external stimulus. This Special Issue invites manuscripts that provide novel scientific findings on the genetic material delivery of nanomaterials.

Guest Editor

Dr. Magali Gary-Bobo
IBMM, University of Montpellier, CNRS, ENSCM, 34093 Montpellier, France

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

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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. We are proud of our increasing impact factor and ability to provide rapid decisions to authors.

Editor-in-Chief

Prof. Dr. Eugenia Valsami-Jones
School of Geography, Earth and Environmental Science, University of Birmingham, Birmingham B15 2TT, UK

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