



an Open Access Journal by MDPI

Nanoparticle Interaction with the Biological Milieu

Guest Editor:

Prof. Dr. Frank Alexis

Colegio de Ciencias e Ingenerias, Universidad of San Francisco de Quito, Quito 107910, Ecuador

Deadline for manuscript submissions: closed (1 June 2017)

Message from the Guest Editor

Dear Colleagues,

Nanoparticle interactions with the biological milieu mediate their toxicity, bioactivity, efficacy, circulation time, and biodistribution. Understanding how these nanoparticles interact with that milieu remains one of the most important obstacles regarding the development of future imaging, antimicrobial, and therapeutic agents.

Therefore, the current Special Issue emphasizes those studies that focus on nanoparticle interactions with cells, proteins, extra-cellular matrix; bacteria, viruses, and DNA. Beyond the mechanisms of interactions, the cutting edge issues include novel testing methods and the biological response associated with nanoparticle interactions with the biological milieu.

We look forward to receiving your contributions as either reviews or technical manuscripts for this Special Issue.

Prof. Dr. Frank Alexis *Guest Editor*









an Open Access Journal by MDPI

Editor-in-Chief

Message from the Editor-in-Chief

Prof. Dr. Anthony Guiseppi-Elie

Department of Biomedical Engineering, Texas A&M University, College Station, TX 77843, USA You are invited to contribute a research article or a comprehensive review for consideration and publication in *Bioengineering* (ISSN 2306-5354). *Bioengineering* is published in open access format – research articles, reviews and other contents are released on the Internet immediately after acceptance. The scientific community and the general public have unlimited and free access to the content as soon as it is published. *Bioengineering* provides an advanced forum for the science and technology of bioengineering. We would be pleased to welcome you as one of our authors.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions. **High Visibility:** indexed within Scopus, SCIE (Web of Science), PubMed, PMC, CAPlus / SciFinder, Inspec, and other databases. **Journal Rank:** JCR - Q2 (*Engineering, Biomedical*)

Contact Us

Bioengineering Editorial Office MDPI, St. Alban-Anlage 66 4052 Basel, Switzerland Tel: +41 61 683 77 34 www.mdpi.com mdpi.com/journal/bioengineering bioengineering@mdpi.com X@Bioeng_MDPI