Special Issue

In Vitro Development of Targeted Drugs and Nanoparticles

Message from the Guest Editor

During the last decades, there has been an increasing focus on the design and development of targeted drugs, including nanotherapeutics. Mostly nanosystems and targeted drugs are being developed for cancer therapy and diagnostics in order to reduce possible toxic effects, improve bioavailability and increase clinical efficiency. However, nanomedicine still receives criticism mainly due to the lack of high affinity with respect to targeted tissue. Thus, more efficient strategies for targeting desirable tissues and combating resistance to therapy are needed. Currently, many actively targeting molecules are being investigated in various models in vitro and in vivo, providing new hope for more specific personalized therapy for many diseases. This Special Issue seeks high quality studies focusing on targeted therapy and nanotechnology applied in personalized therapy areas. Topics include but are not limited to the following:

- Design of new molecules for targeted therapy and diagnostics;
- Development of targeted peptides/antibodies;
- Development of nanocarriers for personalized and precision medicine;
- Development of new nanomaterials for personalized therapy.

Guest Editor

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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.

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