Aims & Scope:
Nanopharmaceuticals offer exciting possibilities to conventional bulk-drug therapy. In oncology, nano-based drug delivery systems could revolutionize the way to treat cancer patients. Thereby, nanoparticles (e.g. gold nanorods, bismuth nanopolymers, magnetic iron/iron oxide nanoparticles, “nanoflares”), although sometimes considered as a double-edged sword, can be modified (e.g. coating) to specifically target the tumor site. Further, the entity (e.g. therapeutic compound) they might contain can be delivered in a controlled fashion (e.g. heating methods). The emerging nanotherapeutic strategy, called nanomedicine, appears promising to reduce damages to healthy cells/tissues and improve the clinical outcome of the cancer patients.

This thematic issue aims to provide a glimpse into the level of activity in the oncology field. Therefore, professionals (e.g. researchers, clinicians, industrials) working in the nano-related areas of oncology are kindly invited to submit high-quality, original research/clinical manuscripts. Review articles summarizing the latest development and providing perspectives in this specific field are also very welcomed.

Key words:
Nanomedicine; Oncology; Nanochemotherapeutics; Nanoscale Devices; Nano-Pharmaceutical Process; Nanochemo-Pharmacology; Nanochemodrug Efficacy and Safety; Nano-Regulatory Affairs.

Subtopics:
Current Nanochemotherapy: Available Nanodrugs for Cancer Therapy, (Pre-) Clinical Studies
Nano-Oncodrug Research and Development: Design, Synthesis, Development, Post-Processing
Nano-Oncodrug Discovery & Delivery: Screening, Imaging, Quality, Quantitation, Biocompatibility
Nano-Oncodrug Analysis: Pharmacokinetics, Pharmacodynamics, Pharmacogenetics, Nanosystems
Nano-Oncodrug Effects: Risk-Benefits, Adverse-Effects, Toxicity, Efficacy, Epidemiology
Nano-Oncodrugs Marketing: International Policies, Society Perceptions, Recommendations

Schedule:
Manuscript submission deadline: October 2013
Peer Review Due: December 2013
Revision Due: February 2014
Notification of acceptance by the Guest Editor: March 2014
Final manuscripts due: April 2014