

Special Issue

Functional Nanomaterials for Drug Delivery and Pharmaceutical Applications

Message from the Guest Editors

Over the past decades, the development of novel functional nanomaterials for biomedical applications has attracted much attention. Due to their nanoscale size, nanomaterials can move easily in tissues and cells and are considered to be an emerging and promising drug delivery system. Typical nano-based delivery vehicles include liposomes, micelles, dendrimers, inorganic vectors, nanogels and nanoemulsions, whereas novel nanocarriers also contain biomimetic reconstituted high-density lipoproteins (rHDL), exosomes, and hybrid nanoparticles that come from the mixture of nanomaterials. Furthermore, as important constituents of nano-based drug delivery systems, various nanomaterials such as organic nanomaterials, inorganic nanomaterials, and hybrid nanomaterials have been intensively explored in pharmaceutical fields, including drug formulation, drug/gene delivery, controlled release, and targeted therapy. In this Special Issue, we aim to collect submissions that focus on the investigation of Functional Nanomaterials for Drug Delivery and Pharmaceutical Applications. Original research articles and reviews are welcome.

Guest Editors

Prof. Dr. Wei Wang

State Key Laboratory of Natural Medicines, Department of Pharmaceutics, School of Pharmacy, China Pharmaceutical University, Nanjing 210009, China

Prof. Dr. Cong Luo

Department of Pharmaceutics, Wuya College of Innovation, Shenyang Pharmaceutical University, Shenyang 110016, China

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Prof. Dr. Patrick J. Sinko

Ernest Mario School of Pharmacy, Rutgers, The State University of New Jersey, William Levine Hall, Room 225C, 160 Frelinghuysen Road, Piscataway, NJ 08854-8020, USA

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