



an Open Access Journal by MDPI

Nanoparticulate Delivery Systems for Antiviral Drugs

Guest Editors:

Dr. Yan Pang

School of Medicine, Shanghai Jiao Tong University, Shanghai, China

Dr. Lu Wang

Institute of Molecular Medicine, Shanghai Jiao Tong University, Shanghai, China

Deadline for manuscript submissions: closed (31 October 2023)

Message from the Guest Editors

Antiviral drugs are extensively used to combat viral infections, mainly through targeting the common stages of the viral life cycle, including entry, biosynthesis, assembly, and release. However, the delivery of antiviral drugs, especially small molecules and antibodies, is largely confronted with some challenges, notably in stability, offtarget accumulation and intracellular deliverv requirements. Nanoparticulate delivery systems have been developed to overcome these limitations. Various nanostructures, including extracellular vesicles, liposomes, dendrimers, polymers, silicon or carbon materials, nanogels, and magnetic nanoparticles, have been applied as carriers in antiviral drug delivery. Compared with traditional treatments, these nanoscale carriers largely strengthen the long-term circulation, local penetration, microenvironment targeting, and controlled release of antiviral drugs. Furthermore, the size, shape, charge, and surface modification of nanoparticles determine the fate of antiviral drugs in bodv. This Special Issue o f Pharmaceuticals aims to assemble the recent developments in the field of nanoparticulate delivery systems for antiviral drugs.

Special sue



mdpi.com/si/145572





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Amélia Pilar Rauter

Departamento de Química e Bioquímica (DQB) e Centro de Química e Bioquímica (CQB), Faculdade de Ciências, Universidade de Lisboa (FCUL), Rua Ernesto de Vasconcelos, Campo Grande,Edifício C8, 5° Piso, 1749-016 Lisboa, Portugal

Message from the Editor-in-Chief

Because of your expertise in the field of drug sciences, I kindly invite you to consider publishing your current work, in the form of a research article or a review, in the open access electronic journal *Pharmaceuticals*.

Pharmaceuticals is characterized by an active editorial board and a dynamic editorial staff. Manuscripts are peerreviewed and a final decision is provided to authors within 4–6 weeks after submission. Papers are published on the web immediately after acceptance. For details on the submission process or any other matter, please do not hesitate to contact us.

We hope to handle your contribution to *Pharmaceuticals* soon.

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, Embase, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Pharmacology & Pharmacy*) / CiteScore - Q2 (*Pharmaceutical Science*)

Contact Us

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