



an Open Access Journal by MDPI

Emerging Micro- and Nanofabrication Technologies for Drug Delivery

Guest Editors:

Prof. Dr. Duncan Craig

Department of Pharmaceutics,
UCL School of Pharmacy,
University College London, 29-39
Brunswick Square, London WC1N
1AX, UK

Dr. Maryam Parhizkar

School of Pharmacy, University
College London, London, UK

Dr. Asma Buanz

School of Pharmacy, University
College London (UCL), 29-39
Brunswick Square, London WC1N
1AX, UK

Deadline for manuscript
submissions:

closed (30 April 2020)

Message from the Guest Editors

The approaches available for the successful development of dosage forms are undergoing significant advancement, driven by challenges in the delivery associated with both low molecular weight and advanced therapeutics. In particular, the increasingly close relationship between pharmaceutical scientists and engineers has led to an exciting range of micro- and nanofabrication techniques being used for drug delivery purposes. More specifically, it is now possible to engineer and manufacture sophisticated drug delivery systems at extremely high resolution that meet the needs of modern therapeutics. These approaches range from techniques such as electrohydrodynamics (electrospinning and electrospraying)—which have been available for many years but have only comparatively recently been used as drug delivery approaches—through to microfluidics, where we are able to manipulate streams of solutions to prepare crystals, nanoparticles, and gels with high throughput and high specificity. Other such techniques include microneedles, 2D- and 3D-printed systems, nanoprecipitation techniques, and mesoporous particles and nanocomposite systems, amongst others.



mdpi.com/si/29853

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Patrick J. Sinko

Department of Pharmaceutics,
Ernest Mario School of
Pharmacy, Rutgers University,
Piscataway, NJ 08854, USA

Message from the Editor-in-Chief

Pharmaceutics (ISSN 1999-4923) is an online open access journal on the science and technology of pharmaceutics and biopharmaceutics. The scientific community, the wider community and the general public have unlimited and free access to the content as soon as a paper is published; this open access to your research ensures your findings are shared with the widest possible audience. Please consider publishing your impressive work in this high quality journal. 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, Embase, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Pharmacology and Pharmacy) / CiteScore - Q1 (Pharmaceutical Science)

Contact Us

Pharmaceutics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/pharmaceutics
pharmaceutics@mdpi.com
X@MDPIpharma