pharmaceutics

IMPACT FACTOR 5.4

Indexed in: PubMed

CITESCORE 6.9

an Open Access Journal by MDPI

Nano- and Micro-Technologies for the Treatment of Type-1 Diabetes

Guest Editors:

Dr. Rosita Primavera
Interventional Regenerative Medicine and Imaging Laboratory, Department of Radiology, Stanford University, Palo Alto, CA 94304, USA

Prof. Dr. Longhai Wang
CAS Key Laboratory of Soft Matter Chemistry, Department of Polymer Science and Engineering, University of Science and Technology of China, Hefei 230026, China

Deadline for manuscript submissions:
closed (10 February 2023)

Message from the Guest Editors

Dear Colleagues,

Diabetes is a metabolic disease characterized by elevated blood glucose levels (BGLs) and the inability to maintain BGL homeostasis. Current treatment strategies consist of multiple, daily injections of insulin or transplantation of either the whole pancreas or isolated pancreatic islets. While there are different forms of insulin with tunable pharmacokinetics (fast, intermediate, and long acting), improper dosing continues to be a major limitation often leading to complications resulting from either hyper- or hypoglycemia. On the other hand, islet transplantation is a promising strategy but requires multiple donors per patient. and post-transplantation islet survival is impaired by inflammation and suboptimal revascularization. Nano- and micro-technologies in diabetes research have facilitated the development of novel glucose measurement and insulin delivery modalities which can dramatically improve the quality of life for diabetics and contribute to realize an artificial pancreas-like system. The scope of this Special Issue is to gather recent progress in the field of diabetes research at its interface with nano- and micro-technologies.

pharmaceutics

IMPACT FACTOR 5.4 | Indexed in: PubMed | CITESCORE 6.9

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 & Pharmacy*) / CiteScore - Q1 (*Pharmaceutical Science*)

Contact Us

Pharmaceutics Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

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