



Lipid-based Nanoparticle Systems for Drug Delivery

Guest Editors:

Prof. Dr. Aleksander F. Sikorski

Research and Development
Centre, Regional Specialist
Hospital in Wrocław,
Kamieńskiego 73a, 51-124
Wrocław, Poland

Prof. Dr. Marek Langner

Department of Biomedical
Engineering, Faculty of
Fundamental Problems of
Technology, Wrocław University
of Science and Technology, Pl.
Grunwaldzki 13, 50-377 Wrocław,
Poland

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Message from the Guest Editors

Dear Colleagues,

Nanocarrier technology in drug delivery research has achieved reasonable success in the development of modern therapies, permitting better bioavailability and pharmacodynamics, as well as reducing side effects and providing the possibility of specific targeting of the drug. In particular, due to their biocompatibility and flexibility, supramolecular lipid-aggregate-based nanocarriers, such as lipid nanoparticles, liposomes, nanoemulsions, and micelles, have been the subjects of extensive studies that resulted in several technologies and commercially available therapeutics, including Ambisome, Doxil or recently registered ONPATTRO (patisiran). These seem to be only a small fraction of the opportunities provided by the system built from naturally occurring lipids and similar non-toxic organic compounds. No commercial lipid-based preparation has explored the possibility of targeting the diseased site in the body with lipid aggregate-packed drugs. Hereby, we invite all researchers to contribute to this Special Issue, which will collect review articles devoted to various aspects of lipid aggregate-based drug nanocarrier studies.





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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

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Pharmaceutics Editorial Office
MDPI, St. Alban-Anlage 66
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