

Special Issue

Self-Assembled Lipid Prodrug Nanomedicines for Cancerous and Noncancerous Diseases

Message from the Guest Editor

In recent years, there has been a growing trend in utilizing lipid-prodrug-based nanoassemblies (LPNs) for drug delivery, which have gained popularity due to their numerous advantages. A typical lipid prodrug encompasses a lipid carrier material, native drug, and a chemical spacer that possesses the potential to respond to stimuli. Through hydrophilic and hydrophobic interactions, lipid prodrugs spontaneously form supramolecular structures when introduced to aqueous environments. LPNs offer a combination of benefits derived from prodrugs and nanoparticles, facilitating drug release in response to stimuli while improving drug stability, bioavailability, and intracellular delivery. The objective of this Special Issue of *Pharmaceutics* is to compile original research and review papers that focus on the development of lipid-prodrug-based nano-drug delivery systems for effectively treating severe diseases such as cancer, neurological disorders, infectious diseases, and uncontrolled inflammation.

Guest Editor

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