



Polymeric Carriers for Controlled Drug Release

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

The formulation of polymeric nanoparticles and microparticles for the controlled release of active pharmaceutical ingredients (APIs) remains an area of major interest, particularly in the field of biopharmaceutical delivery. One major goal of this research is to protect APIs from degradation, rapid clearance, or undesirable interactions with physiological barriers such as mucus. Another is to design carrier surfaces for active targeting to specific tissues or cells. In both cases, slow release of the active pharmaceutical ingredient from the carrier is desirable to allow the vehicle time to transport its payload to desired sites in the body, decreasing the frequency of injection and improving the overall efficacy of the therapeutic.

This Special Issue aims to highlight recent advances in the development of nano- and micro-scale polymeric carriers for small molecules and biopharmaceuticals, including long-acting depot delivery, stimulus-responsive carriers, specialized polymer chemistries, kinetics of drug release and/or polymer degradation among others.

Dr. Kurt Ristroph
Guest Editor





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Message from the Editor-in-Chief

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