

Special Issue

Advanced Ocular Drug Delivery

Message from the Guest Editors

Because of the presence of various static, dynamic and metabolic ocular barriers, the delivery of drugs to the targeted sites of action in the eye is often very challenging and requires interdisciplinary approaches involving basic, applied and clinical sciences. In recent years, increasing progress has been made to develop novel and safe materials, devices and methods to overcome ocular barriers to deliver therapeutic agents to targeted sites in the eye. This Special Issue invites original technical papers and reviews to discuss the broad scope of recent developments, future directions, possible challenges, and regulatory and ethical issues in advancing ocular drug delivery for clinical and commercial translation. The focus is on, but not limited to biomaterials; nanotechnology; personalized ophthalmology; theranostics; ocular disease targets; biomarkers; ocular transport; ocular pharmacokinetics; industrial development; regulatory and ethical considerations; clinical studies; intellectual property; and commercialization.

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