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Innovative Technologies to Treat Diseases of the Back of the Eye

Guest Editors:

Prof. Dr. Rocio Herrero-Vanrell
Department of Pharmaceutics and Food Technology, Faculty of Pharmacy, Complutense University of Madrid, Madrid, Spain

Dr. Laurence Fitzhenry
Ocular Therapeutics Research Group, Pharmaceutical and Molecular Biotechnology Research Centre (PMBRC), Department of Science, Waterford Institute of Technology, Waterford, Ireland

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Message from the Guest Editors

Dear Colleagues,

Delivering drugs targeted for posterior segment diseases of the eye in a safe, patient-friendly, and controlled manner has long been the focus of drug delivery researchers. With an aim to develop smart materials capable of the controlled release of ophthalmic drugs relevant in the treatment and management of back of the eye diseases, such research hopes to meet the challenges associated with the global rise in such diseases. Much of the focus has worked towards the development of both nanomaterial delivery carriers and extended-release platforms, such as nano- and micro-devices, implants and contact lenses, as effective means to bypass the ocular barriers and deliver drug efficiently to the posterior segment of the eye. All these innovative technologies are emerging as efficient therapeutic tools in the personalized treatment of back of the eye diseases. The development of animal models of posterior segment diseases is also a critical issue as most of these pathologies are chronic and multifactorial.

Prof. Dr. Rocio Herrero-Vanrell
Dr. Laurence Fitzhenry

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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
4052 Basel, Switzerland

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