



Local Drug Delivery System

Guest Editors:

Dr. Silvia Tampucci

Department of Pharmacy,
University of Pisa, Via Bonanno
33, 56126 Pisa, Italy

Prof. Dr. Daniela Monti

Department of Pharmacy,
University of Pisa, 56126 Pisa,
Italy

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Message from the Guest Editors

Dear Colleagues,

Site-specific drug delivery is among the main objectives for the optimization of pharmaceutical therapies. In particular, local drug delivery systems represent a way to avoid systemic administration, reducing the associated side effects and increasing patient compliance. In the design of local drug delivery systems, different strategies to overcome physiological barriers to obtain effective drug concentration at the target site without affecting adjacent tissues can be pursued. Physical and chemical enhancers, microneedles and nanostructured drug delivery systems have been proposed as effective tools to influence drug release and partition at the target tissues. Innovative drug delivery systems could be based on natural or synthetic polymers, better if biodegradable, endowed with stimuli-responsive behavior and, if applicable, mucoadhesive properties.

This Special Issue welcomes original research articles and reviews in this field, with a focus on all aspects of the formulation, characterization and development of innovative drug-delivery systems for local drug delivery.

Prof. Dr. Silvia Tampucci

Prof. Dr. Daniela Monti





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Editor-in-Chief

Prof. Dr. Patrick J. Sinko

Ernest Mario School of
Pharmacy, Rutgers, The State
University of New Jersey, William
Levine Hall, Room 225C, 160
Frelinghuysen Road, Piscataway,
NJ 08854-8020, USA

Message from the Editor-in-Chief

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Pharmaceutics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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