Special Issue

Drug Delivery in Regenerative Medicine

Message from the Guest Editor

Delivery of instructive cues to the body is one of the instrumental pillars in regenerative medicine. Growth factors stimulating resident or exogenously added cells, or factors attracting native stem cells have shown promise in several tissues. Drug delivery can also help in modulating the environment of regenerating tissues. Delivery vehicles can be used either or not with targeting moieties for tissue-directed modulation in complex environments. Challenges are still many; the lack of correlation of in vitro with in vivo release profiles, drug stability, the effect of the local biomaterial response, other local factors in vivo that cannot be mimicked in simple in vitro systems. Also the lack of understanding of optimal duration and dosage is a considerable hurdle still not taken. This special issue invites manuscripts on any of these subjects, or others in the context of regenerative medicine and drug delivery approaches.

Guest Editor

Dr. Laura B. Creemers

Department of Orthopedics, University Medical Center, Heidelberglaan 100, P.O. Box 85500, 3508 GA Utrecht, The Netherlands

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Pharmaceutics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
pharmaceutics@mdpi.com

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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

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