# **Special Issue**

# Advances in Wound Dressings and Materials

# Message from the Guest Editor

Wound healing is an incredibly complex physiological process, with numerous interdependent factors influencing critical events. Although most superficial wounds heal normally, there are instances when they fail to heal properly, leading to infection and/or chronic wounds. Wound management is a major global challenge posing a significant burden to patients and healthcare systems. There have been significant developments in the management of wounds over the last five decades owing to improved insight into the wound healing process and progress in technologies. These include smart systems, such as bioactive dressings, to promote wound healing and advanced textiles for compression or with antimicrobial functionality involving materials with intrinsic bactericidal activity, modified surfaces or incorporating antimicrobial agents. Therapeutic agents, bioactive molecules and cells have been incorporated into controlled-release carriers, including polymeric microand nanospheres, lipid nanoparticles, nanofibrous structures, hydrogels and scaffolds.

## **Guest Editor**

Prof. Dr. Barbara R. Conway

Department of Pharmacy, School of Applied Sciences, University of Huddersfield, Queensgate, Huddersfield HD1 3DH, UK

# Deadline for manuscript submissions

closed (10 February 2021)



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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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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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