



Preclinical Evaluation of Biomaterials and Medical Devices for the Musculoskeletal System

Guest Editors:

Dr. Silvia Brogini

Surgical Sciences and
Technologies, IRCCS Istituto
Ortopedico Rizzoli, Bologna, Italy

Dr. Matilde Tschon

Surgical Sciences and
Technologies, IRCCS Istituto
Ortopedico Rizzoli, Bologna, Italy

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Message from the Guest Editors

In the orthopaedic field, the advancement of biomedical technology and the use of implant biomaterials for prosthetic surgery, implantology and osteosynthesis have resulted in great developments for patients, improving their quality of life, relieving pain, and allowing for healthy and better ageing.

Taking into account that the development of a new biocompatible material is a “multidisciplinary” approach, this Special Issue encourages the submission of original basic, translational research and review articles focused on, but not limited to, in silico, in vitro and/or in vivo preclinical tests necessary to establish the safety, feasibility, biocompatibility and efficacy of innovative biomaterials and medical devices for orthopaedic applications. Moreover, we also encourage the submission of works on methods/techniques that may support the traditional regulatory steps for the evaluation of new biomaterials and medical devices.





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Editor-in-Chief

Prof. Dr. Anthony Guiseppi-Elie

Department of Biomedical
Engineering, Texas A&M
University, College Station, TX
77843, USA

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Contact Us

Bioengineering Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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