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# Carbon-Based Nanomaterials for Bone Regeneration

Guest Editor:

**Dr. Hisao Haniu**
Institute for Biomedical Sciences, Interdisciplinary Cluster for Cutting Edge Research, Shinshu University, 3-1-1 Asahi, Matsumoto, Nagano 390-8621, Japan

Deadline for manuscript submissions:
**closed (16 March 2020)**

## Message from the Guest Editor

Carbon nanomaterials have attracted a great deal of attention in the biological and medical science fields because of their unique physical and biological properties. Carbon nanomaterials possess high biocompatibility with bone tissue, and possible roles in bone regeneration have already been identified. Moreover, many composite materials developed using carbon nanomaterials are being tested as scaffolds and fillers for bone tissue regeneration. Since bony nonunion and large skeletal defects created by tumors, trauma, and congenital malformations are sometimes impossible to repair, clinicians are in need of innovative technologies for bone regeneration. This Special Issue invites all manuscripts involving the direct effects of carbon nanomaterials and their composites in bone tissue and cells in vivo and in vitro, the availability of such materials for scafolding and filler material, and novel suggestions on their clinical implementation. Safety evaluations of the practical application of carbon nanomaterials are also welcome in this issue.

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**Prof. Dr. Shirley Chiang**
Department of Physics, University of California Davis, One Shields Avenue, Davis, CA 95616-5270, USA


## Message from the Editor-in-Chief

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*Nanomaterials* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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