

# Special Issue

## Bone Biology and Microstructure

### Message from the Guest Editors

Bone biology represents a rapidly expanding field, enabling a complete understanding of both bone physiology and pathophysiology. It brings together the traditional fields of anatomy, physiology, and biomechanics with the increasingly complex fields of developmental biology and molecular genetics. Understanding the pathogenesis and treatment of various bone-related diseases and the use of innovative biomaterials to treat different bone defects represent a major impetus for current bone research from a biomedical point of view. In addition, bone asymmetry is thought to essentially result from disproportionate mechanical stress, which influences bone remodeling and plasticity and is considered to be an attractive research area. This Special Issue welcomes original research papers, reviews, and short communications related to the field of bone biology with a special emphasis on bone microstructure using both recent and ancient bone samples of human and/or animal origin. However, investigations in other fields that cross-link with the bone, such as metabolism, nutrition, toxicology, or immunology, are also welcome.

### Guest Editors

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### Deadline for manuscript submissions

closed (31 October 2021)



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### Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

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### Editor-in-Chief

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