

Special Issue

Connecting the Bone with Other Organs: A Reciprocal Cross-Talk

Message from the Guest Editors

The portrayal of the bone as a hard tissue has become obsolete following the discovery that it not only attends to classical locomotory, protection, and mineral homeostasis functions but also covers new unexpected roles. Indeed, the bone is a source of endocrine signals, through which it regulates several functions of our body, including energy metabolism, cognitive functions, male fertility, as well as organs like muscles and kidneys. Likewise, the bone receives regulatory signals from other organs. It follows that the bone actively communicates with other organs and participates in whole body homeostasis, in ways that are still in part unknown. Therefore, understanding the mechanisms involved in the bidirectional cross-talk that exists between the bone and other organs is mandatory to guarantee the health of the entire body.

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