



Molecular Crosstalk Between Bone and Inflammation

Guest Editor:

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Deadline for manuscript
submissions:

closed (20 November 2025)

Message from the Guest Editor

Dear Colleagues,

We invite researchers and scholars to contribute to a comprehensive exploration of the intricate interplay between bone physiology and inflammatory processes. This interdisciplinary field delves into the molecular mechanisms governing the bidirectional communication between bone cells and the immune system, shedding light on the critical pathways and signaling molecules involved.

Potential topics for submission include but are not limited to the following:

- The role of cytokines, chemokines, and immune cells in bone remodeling and inflammation.
- Dual functions of key mediators such as TNF- α and IL-6 in bone metabolism and inflammatory responses.
- Signaling pathways, including NF- κ B and RANKL, orchestrating the crosstalk between bone and inflammation.
- Implications of dysregulated molecular crosstalk in pathological conditions such as osteoporosis, rheumatoid arthritis, and periodontitis.

This call aims to foster collaboration and the exchange of cutting-edge research in this dynamic field, with the goal of advancing targeted therapies for skeletal disorders and inflammatory diseases.





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Message from the Editor-in-Chief

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