

## Special Issue

# Wound Repair: From Basic Biology to Tissue Engineering

### Message from the Guest Editor

The field of wound repair has advanced significantly, encompassing fundamental biological mechanisms to sophisticated tissue engineering strategies. This Special Issue aims to bridge the gap between basic research on and translational applications in wound healing and tissue regeneration. It will focus on the cellular and molecular dynamics of wound repair, including inflammation, angiogenesis, extracellular matrix remodeling, and stem cell involvement. Additionally, it will explore the latest developments in biomaterials, 3D bioprinting, and bioactive scaffolds tailored for enhanced healing. By integrating perspectives from basic biology, clinical challenges, and engineering innovations, this Special Issue seeks to foster interdisciplinary collaboration and advance the development of next-generation solutions for acute and chronic wounds. Submissions covering experimental research, reviews, and cutting-edge technologies are welcome, particularly those that illuminate mechanisms, novel therapies, and their clinical implications. This Special Issue is supervised by Professor Judyta Cielecka-Piontek and .

### Guest Editor

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### Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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### Editor-in-Chief

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