

## 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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