

Special Issue

From Molecules to Clinical Outcomes: Advances in Wound Healing Research and Translation

Message from the Guest Editor

Wound healing is a complex, multifactorial process involving cellular, molecular, and systemic interactions that determine clinical outcomes. Recent advances in molecular biology, regenerative medicine, and translational research have significantly expanded our understanding of wound pathophysiology and therapeutic strategies. This Special Issue aims to bridge the gap between bench and bedside by highlighting cutting-edge discoveries in molecular mechanisms, biomaterials, and innovative interventions that improve wound care. Topics will include cellular signaling pathways, growth factors, stem cell applications, and novel technologies such as hyperbaric oxygen therapy and bioengineered dressings. By integrating molecular insights with clinical practice, this collection seeks to foster collaboration among researchers and clinicians, ultimately improving patient outcomes in acute and chronic wound management.

Guest Editor

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