

## Special Issue

# Advances in Genetic and Epigenetic Gene Therapy for Diabetic Wound Healing

### Message from the Guest Editor

Diabetic ulcers (DUs), complicated by infection/ischemia/high levels of reactive oxygen species, often suffer from poor perfusion, delayed healing and wound recurrence. Gene therapy is emerging as a promising approach for treating DUs by targeting specific genes to promote healing. This involves using genes, proteins, or peptides to stimulate tissue regeneration, improve angiogenesis and reduce inflammation at the wound site. Recently it has been noted that in addition to changes in gene expression, epigenetic changes also play a role in impaired diabetic wound healing, and thus epigenetic gene therapy has emerged as a promising avenue for treating DUs. This collection will focus on potential genetic and epigenetic gene therapy, including genes, proteins, peptides, DNA methylation modifiers, histone modifiers, microRNAs and others to treat and manage DUs.

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### Guest Editor

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## Biomolecules

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