

Special Issue

Immune Cell Mediated Tissue Regeneration

Message from the Guest Editor

It has been demonstrated that an immune response is essential to the initiation of tissue repair after injury but too much inflammation contributes to secondary tissue damage. Indeed, tissue repair and regeneration are tightly orchestrated by immune cells, including neutrophils, macrophages, and even T lymphocytes such as regulatory T cells. Emerging evidence suggests that immune cells can also interact with tissue stem or progenitor cells to facilitate regeneration. This Special Issue, entitled "Immune-Cell-Mediated Tissue Regeneration", aims to discuss interdisciplinary approaches to the study of tissue repair and regeneration that combine developmental biology, regenerative biology, immunology, and biomaterial and tissue engineering. We will also delineate the mechanisms by which immune cells adopt an anti-inflammatory, anti-fibrotic, pro-wound-healing, and tissue-regenerating phenotype in different organ systems after injury, and highlight how some of these mechanisms could be exploited therapeutically.

Guest Editor

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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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