Special Issue

Crossing the Boundary between Fibrosis and Regeneration: Animal Model Studies

Message from the Guest Editor

Regeneration and fibrosis are normal biological responses of animals to organ damage or trauma, but while regeneration restores biological function, fibrosis often causes malfunctioning of biological functions and increases the risk of cancer. However, as many similarities can be observed between the mechanisms of regeneration and fibrosis, it may be possible to completely regenerate damaged organs if fibrosis is properly treated. This research field is interested in understanding the mechanisms of fibrosis (sclerosis and scarring) in various organs and research and development of their treatment, as well as in understanding the mechanisms of fibrosis-free organ regeneration using animal models and their application to fibrosis treatment and tissue repair/regeneration. In particular, we are interested in challenging studies that seek to understand and cross the boundary between regeneration and fibrosis in order to achieve complete or fibrosis-free organ regeneration.

Guest Editor

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Biomedicines (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to Biomedicines, be it original research, review articles, or developing Special Issues of current key topics.

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