



Crossing the Boundary between Fibrosis and Regeneration: Animal Model Studies

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Message from the Guest Editor

Dear Colleagues,

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.

Prof. Dr. Chikafumi Chiba

Guest Editor





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Message from the Editor-in-Chief

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