



## TGF-Beta Super Family Signaling

Guest Editor:

**Dr. Jun-ichi Hanai**

Department of Medicine,  
Massachusetts General Hospital,  
Center for Cancer Research,  
Harvard Medical School, Boston,  
MA 02215, USA

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### Message from the Guest Editor

Dear Colleagues,

The pivotal roles of TGF- $\beta$  superfamily members, including TGF- $\beta$ s, nodal, activins, BMPs, and GDFs, in pathological processes are discussed in this Special Issue.

TGF- $\beta$  superfamily members play key roles throughout development and later in adult homeostasis to orchestrate complex processes. Consistent with their diverse functions, aberrant signaling by members of the TGF- $\beta$  superfamily is associated with a wide range of human pathologies, including immune system compromise, cardiovascular and fibrotic diseases, aging processes and, critically, cancer. The knowledge of this superfamily is expanding into previously uncharted areas of biology and human pathogenesis. This Special Issue is focused on the mechanisms of aberrations in this signaling pathway, which lead to human disease pathologies.

Topics include vasculature and tissue transformation, tissue microenvironment dynamics, inflammation, and therapeutic frontiers of TGF- $\beta$  signaling.

Dr. Jun-ichi Hanai

*Guest Editor*





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Granada, Spain

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*International Journal of Molecular  
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MDPI, Grosspeteranlage 5  
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