

Special Issue

TGF-Beta Super Family Signaling

Message from the Guest Editor

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

Guest Editor

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Deadline for manuscript submissions

closed (15 July 2018)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/12358

*International Journal of
Molecular Sciences*
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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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