biomolecules

IMPACT FACTOR 4.8

Indexed in: PubMed

CITESCORE 9.2

an Open Access Journal by MDPI

TGF-Beta Signaling in Tissue Fibrosis and Cancer

Collection Editors:

Dr. Paul J. Higgins
Department of Regenerative and Cancer Cell Biology, Albany Medical College, 47 New Scotland Avenue, Albany, NY 12208-3479, USA

Dr. Rohan Samarakoon
Department of Regenerative & Cancer Cell Biology, Albany Medical College, Albany, NY 12208, USA

Message from the Collection Editors

1. TGF-β-mediated transcriptional (both SMAD and non-SMAD) networks, genetic reprogramming, and phenotypic responses (e.g., cell plasticity/stemness, cell cycle arrest, proliferation, migration) related to the onset or progression of fibrotic and neoplastic diseases.
2. Non-transcriptional (e.g., microRNA, lncRNA, epigenetic) control of TGF-β1 signaling.
3. TGF-β crosstalk with other receptors (e.g., tyrosine kinases and serine/threonine kinases) or tumor suppressors (e.g., p53, PTEN) in promoting or suppressing fibrotic and oncogenic behavior.
4. Novel positive (e.g., inducers) and negative regulators (e.g., suppressors) of TGF-β1 pathways.
5. Novel or potential therapeutic approaches (TGF-β ligand traps and neutralizing antibodies, signaling networks, or TGF-β collateral networks) to target aberrant TGF-β signaling in organ fibrosis and cancer.
6. TGF-β1-induced metabolic alterations (e.g., glycolysis, Krebs cycle, oxidative phosphorylation, fatty acid oxidation) in tissue fibrosis and cancer.
7. TGF-β1 control of inflammatory networks.
8. Tissue or organ specificity of TGF-signaling.

mdpi.com/si/33893

Topical Collection

biomolecules

IMPACT FACTOR 4.8 | Indexed in: PubMed | CITESCORE 9.2

an Open Access Journal by MDPI

Editors-in-Chief

Prof. Dr. Peter E. Nielsen
Department of Cellular and Molecular Medicine, Faculty of Health and Medical Sciences, University of Copenhagen, Blegdamsvej 3C, DK-2200 Copenhagen, Denmark

Prof. Dr. Lukasz Kurgan
Department of Computer Science, Virginia Commonwealth University, Richmond, VA 23284, USA

Message from the Editorial Board

Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Embase, CAPlus / SciFinder, and other databases.
Journal Rank: JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Biochemistry)

Contact Us

Biomolecules Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/biomolecules
biomolecules@mdpi.com
𝕏@Biomol_MDPI