

## Special Issue

# Cancer Stem Cells as Key Immunotherapy Targets

### Message from the Guest Editor

We invite you to contribute to a Special Issue of *IJMS* focused on advancing immuno-oncology through the lens of cancer stem cell (CSC) biology. CSCs are a rare yet critical tumor subpopulation with self-renewal abilities, resistance to standard therapies, and roles in metastasis and relapse. Recent progress in cancer immunotherapy highlights the urgent need to effectively identify and eliminate CSCs for durable clinical responses. This issue welcomes original research, mechanistic studies, and reviews exploring the molecular and immunological aspects of CSCs. Topics include: CSC markers and signaling pathways; immune evasion strategies; CAR-T, CAR-NK, and TCR-engineered cells targeting CSCs; checkpoint modulation; CSC-targeted vaccines and antibodies; tumor microenvironment influences; and preclinical or clinical studies aimed at CSC eradication. By focusing on this resilient cell population, we aim to inspire innovative immunotherapeutic approaches to improve long-term outcomes for cancer patients.

### Guest Editor

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### Message from the Editor-in-Chief

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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### Editor-in-Chief

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