

## Special Issue

# Regulation and Targeting of Ferroptosis in Tumor and Beyond

### Message from the Guest Editors

Dear colleagues, The main aim of this Topic is to study the mechanistic underpinnings of ferroptosis. Those include how ferroptosis is regulated at the molecular level and how to target its pathways therapeutically. Here we will pay extra attention to these articles about novel/non-canonical ferroptosis pathways. This SI aims to advance our understanding of the fundamental biological process of ferroptosis and potentially identify new approaches to manipulate it for therapeutic benefits. Original Research Articles, Reviews are welcome to submit to this Research Topic. Papers are expected to cover but are not limited to the following topics:

- Basic mechanisms involved in ferroptosis and critical regulators of ferroptosis.
- The role of proto-oncogenes and tumor suppressor genes in canonical and non-canonical ferroptosis regulation.
- Targeting ferroptosis for disease treatment.
- Ferroptosis and immunotherapy.
- Ferroptosis and cellular metabolism.
- Studies related to other cell death mechanisms.
- The role of ferroptosis in drug resistance and stem cells.
- New drugs and targeting therapeutics associated with ferroptosis.

### Guest Editors

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### Deadline for manuscript submissions

closed (31 May 2024)



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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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