



Regulation and Targeting of Ferroptosis in Tumor and Beyond

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Deadline for manuscript
submissions:

closed (31 May 2024)

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:

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





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Message from the Editor-in-Chief

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