

46. Non-apoptotic cell death
1 unit, Xuejun Jiang, November 4, 2025

Programmed necrosis

The concept
Death receptor-mediated necrosis
The relationship of necrosis with apoptosis
Necrosis in human diseases
Questions Remaining

Autophagy in cell survival and cell death

An overview of autophagy
Autophagy in survival and death
Autophagy and human diseases
Measurement of autophagy
Questions Remaining

Ferroptosis

Discussion Paper:

Liang D, Feng Y, Zandkarimi F, Wang H, Zhang Z, Kim J, Cai Y, Gu W, Stockwell BR, **Jiang X**.
Ferroptosis Surveillance Independent of GPX4 and Differentially Regulated by Sex Hormones.
Cell 2023. 186:2748-2764. PMID: 37267948. PMCID: PMC10330611

Review Paper:

Jiang X, Stockwell BR & Conrad M. Ferroptosis: mechanisms, biology and role in disease. **Nat Rev Mol Cell Biol**. <https://doi.org/10.1038/s41580-020-00324-8>. 2021. 22(4):266-282. PMID: 33495651. PMCID: PMC5685180