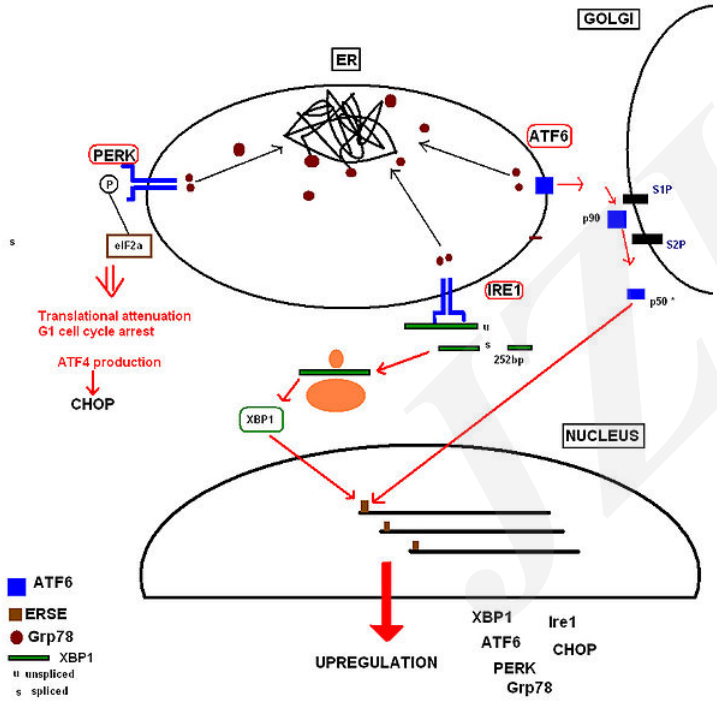
Cite this as: Jing GONG, Xing-zhi WANG, Tao WANG, Jiao-jiao CHEN, Xiao-yuan XIE, Hui HU, Fang YU, Hui-lin LIU, Xing-yan JIANG, Han-dong FAN, 2017. Molecular signal networks and regulating mechanisms of the unfolded protein response. *Journal of Zhejiang University-Science B (Biomedicine & Biotechnology)*, 18(1):1-14. http://dx.doi.org/10.1631/jzus.B1600043

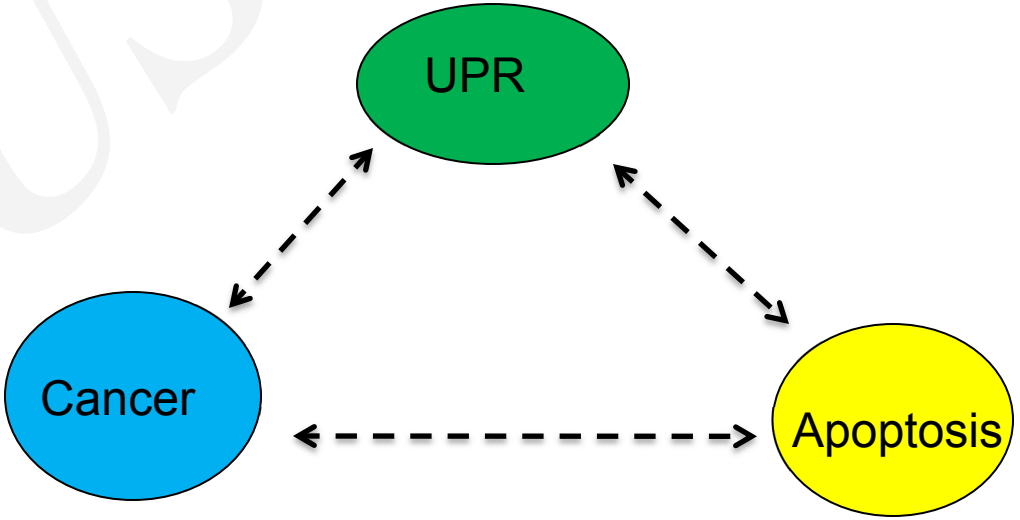
Molecular signal networks and regulating mechanisms of the unfolded protein response

Key words: **Unfolded protein response, ER stress, Mechanis Signal networks, Homeostasis**

Research Summary

This review mainly focused on the latest signal webs and regulation mechanisms of the UPR. The relationships among ER stress, apoptosis and cancer are also discussed





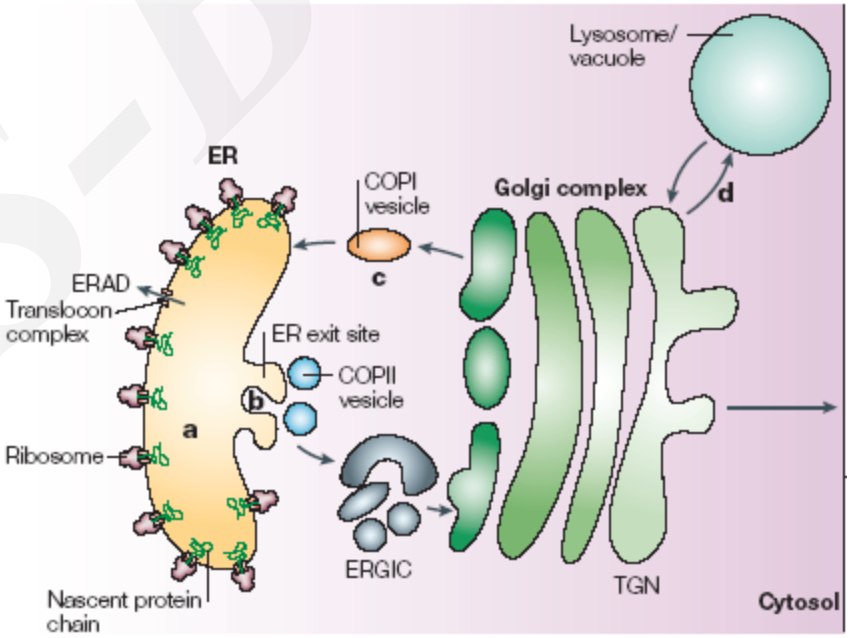
Innovation points

- **Introduction** of the ER functions in protein production

- **Summary** the latest signal cascade of ER stress

- **Emphasis** the regulation of the signal cascade of UPR.

- Discuss the relationship between UPR and cancer



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