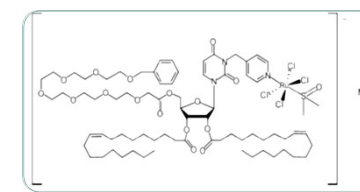
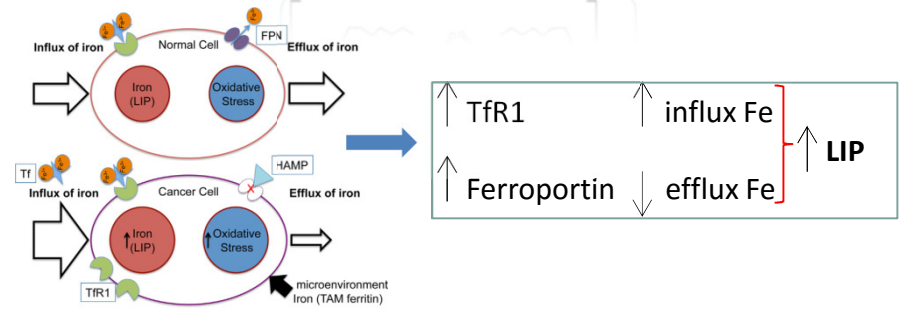


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Iron metabolism reprogramming in tumor cells

- MAIN RESEARCH LINES**
- Regulation of cellular iron metabolism under different physiological conditions
 - Investigation on the Ruthenium mode of action: more insights about the activated cell death pathways and the main biological targets involved
 - Iron metabolism regulation in human cancer cells during the therapy with metal-based drugs
 - Possible implications of iron metabolism targeting on the efficacy of the metal-dependent antiproliferative effect



TWO MAIN REFERENCES

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Miniaci MC, Irace C, Capuozzo A, Piccolo M, Di Pascale A, Russo A, Lippiello P, Lepre F, Russo G, Santamaria R. Cysteine prevents the reduction in keratin synthesis induced by iron deficiency in human keratinocytes. *J. Cell Biochem* 2016, 117:402–412