SEMINARIO IMPARTIDO POR ALEXANDRA R. FERNANDES

"New strategies for targeting cancer: a focus on new metal complexes "

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Cisplatin is one of the most important and widely used anticancer drug in clinical use. However, its effectiveness is limited by its high toxicity and incidence of drug resistance. This has provided motivation for the search for new transition metal-based drugs with a wider spectrum of activity and lower systemic toxicities.

In the last years, I have been focusing on the molecular mechanisms underlying the antiproliferative/anticancer activities of novel complexes with different metal centres with particular interest in complexes that allow to overcome drug resistance mechanisms (e.g. doxorubicin/ cisplatin resistance).

I will show some examples of complexes with different mechanisms of action, how to overcome drug resistance and the use of different strategies to potentiate their in vitro and in vivo triggering of cancer cells death.

SALA DE CONFERENCIAS, EDIFICIO I+D+i, CAMPUS RIO EBRO

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