

On **May 21**, 2019 at **11:00** h in the Conference Hall of FCP-SU

Dr. Patrick Gamez

Faculty of Chemistry, University of Barcelona, Spain

will present a lecture on

Various approaches to generate efficient cytotoxic agents for potential anticancer applications

This part of the presentation will describe three different strategies applied in our group for the development of more selective/effective metal-based molecules to kill cancer cells: (i) DNA interaction with supramolecular helicates; (ii) photoactivatable platinum complexes; (iii) piano-stool organoruthenium(II) compounds.

Use of peptides and nanoparticles in Alzheimer's disease theranostics

The second part of the talk will describe the design of small peptides (tri-, tetrapeptides) and their application as copper chelators and agents against oxidative stress. The use of gold nanoparticles as carriers for these potential “peptidic drugs” will also be discussed.

The lab welcomes students for ERASMUS+ training.