

Venerdì 15 Settembre 2023
alle ore 11.30

presso AULA 2 dell'Edificio F
Area della Ricerca CNR di Firenze
Via Madonna del Piano 10, Sesto Fiorentino

la Prof.ssa Eva Rentschler
Johannes Gutenberg University
Mainz, Germania

terrà il seguente seminario:

"Metallacrown complexes: Host-guest interactions enabling for
single-molecule magnets"

Si invitano tutti gli interessati a partecipare.

Dr. Claudio Sangregorio
Direttore ICCOM

Short Abstract:

Metallacrown complexes (MCs) have been extensively studied in recent years for their coordination ability with hydroxamic acid and derivatives, especially with first-row transition metal ions. Taking advantage of host-guest chemistry, the atomic arrangement in MCs can be adjusted, allowing tunable magnetic exchange between metal ions within the ring structure. By implementing metal ions that can make a significant contribution with high single-ion anisotropy, these systems exhibit SMM behaviour and thus promise future applications in data storage, quantum computing and molecular electronics as discussed in physics, chemistry and materials science.

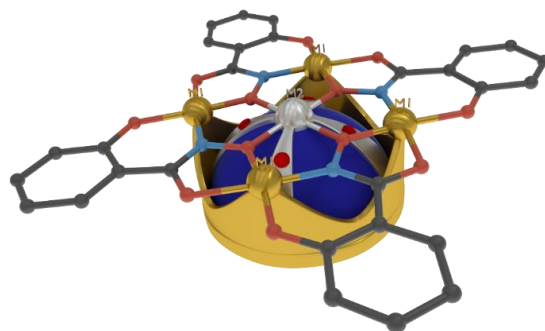


Figure: artistic representation of a metallacrown