

## OPEN PhD Position (FPI)

### Multifunctional metal-based tools for several applications

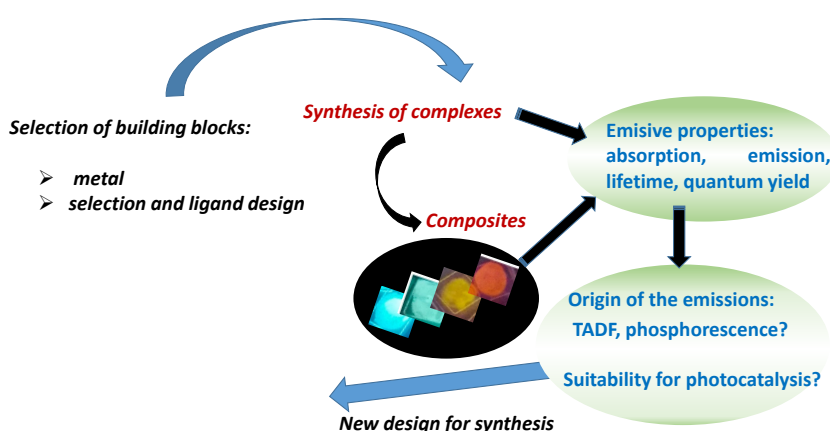
Instituto de Síntesis Química y Catálisis Homogénea (CSIC-Universidad de Zaragoza)

Zaragoza, Spain, Website: <https://conchita-gimeno.webs.com/>

PhD position available associated to the project “**Multifunctional metal-based tools for several applications**” (PID2022-136861NB-I00). **Start January 2024**

#### Description:

The scope of the work is within the field of luminescent coordination complexes as well as their composites. We focus on understanding and modulation the emissive properties with the aim of building suitable complexes for OLED design, primarily through searching for TADF emissions by connecting different building blocks that can be modified. Some examples of our work include publications in *Inorg. Chem.* **2023**, *26*, 10431–10439; **2021**, *60*, 18521–18528; **2020**, *59*, 14447–14456. Additionally, we are interested in the role of these emissive species in photocatalysis. Therefore, candidates will develop experience in coordination chemistry (synthesis and characterization) and acquire a background in applications related with luminescence.



Applicants must have the Master Degree and are expected to demonstrate motivation as well as teamwork skills, and should also possess experience in synthesis and, at a minimum, basic knowledge of luminescence. They will have the opportunity to participate in national and international research programs and are expected to present their results at national and international conferences.

Candidates must send the information detailed below to M. Concepción Gimeno ([gimeno@unizar.es](mailto:gimeno@unizar.es)) before 30<sup>th</sup> September 2023:

1. A CV detailing experience in the field.
2. A motivation letter outlining interest in the research topic.
3. At least one letter of recommendation.