

CNRS – MSCA-PF 2025 / Hosting offer on challenging organolanthanide chemistry

OFFER DEADLINE :

EU RESEARCH FRAMEWORK PROGRAMME : HE / MSCA

LOCATION : Montpellier, France

ORGANISATION/COMPANY : Centre National de la Recherche Scientifique (CNRS)

DEPARTMENT: Institut Charles Gerhardt de Montpellier (ICGM)

If the research topics below correspond to your scientific project and if you are selected by the Institut Charles Gerhardt de Montpellier as a Marie Skłodowska-Curie Postdoctoral Fellowship (MSCA-PF) candidate, CNRS EU Grant Office **will assist you in the preparation of your MSCA-PF application**. The Marie Skłodowska-Curie Postdoctoral fellowships call will open on 9 April 2025 and close on 10 September 2025.

MSCA Postdoctoral Fellowships (MSCA-PF) in a few words:

Are you interested in a two-year postdoc stay in Europe funded by the European Commission to work on your dream project? Then the highly prestigious [MSCA Postdoctoral Fellowships](#) should be on your radar.

- ✓ Scientific project built around three actors: a Host institution (CNRS - ICGM), which will be the legal entity beneficiary of the project, a researcher (fellow candidate) and a supervisor at the Host institution.
- ✓ MSCA-PF application is prepared jointly by the researcher, the supervisor and CNRS
- ✓ MSCA-PF grant aims at :
 - Improving the employability and career prospects of the postdoctoral fellow,
 - Increasing the research competences and transferable skills,
 - Providing new approaches to research and innovation work through interdisciplinary, intersectoral and international experience,
 - Fostering networking and communication with scientific peers.
- ✓ Duration: MSCA European Postdoctoral Fellowship (EF) must last **between 12 and 24 months**.
- ✓ The grant includes a competitive salary and a mobility allowance. The postdoctoral fellow can also receive family and special needs allowances. This grant should also cover your research, training and networking activities.

Description of the CNRS Research Lab : ICGM

- **Key words :**
 - materials science
 - organic and organometallic chemistry
 - polymers

▪ **Scientific team :**

Our team at the ICGM in the Department of Molecular Chemistry and Materials consists of 3 permanent CNRS researchers who work in the field of organic and organometallic synthesis and catalysis. One research axis concerns the development of new applications of lanthanides in organic chemistry, especially processes involving C-F bond activation. Furthermore, we are searching for new synthetic methodologies for organolanthanide complexes. The latter are studied in small molecule activation and for their luminescence and magnetism properties. Another research axis aims to exploit photocatalysis in new organic transformations, focusing on halogen atom transfer (XAT) and energy transfer (EnT) reactions. Finally, a third axis uses transition metals (mainly Cu, Fe, Mn) for new catalytic processes and their mechanistic understanding.

▪ **Scientific topics of interest :**

For this MSCA-PF project we are aiming at designing new organometallic complexes based on unprecedented superbuly ligands, which will confer new properties to the complexes in luminescence, magnetism, reactivity and catalysis.

This project is therefore highly interdisciplinary, involving organic chemistry, organometallic chemistry, photophysics and photocatalysis and the candidate should be motivated to acquire new competences as well as to share his/her competences within the team. A good knowledge of handling air- and moisture sensitive complexes is mandatory.

▪ **Supervisor(s) for the MSCA-PF**

Florian Jaroschik (<https://www.icgm.fr/florian-jaroschik/>), ORCID : 0000-0003-0201-568X

▪ **Contacts:** florian.jaroschik@enscm.fr

Eligibility criteria to be a MSCA-PF candidate. The researcher :

- ✓ Must be in a possession of a **doctoral degree on September 10th 2025** (call deadline). They must at least have successfully defended their doctoral thesis,
- ✓ Must have a **maximum of 8 years full-time equivalent experience in research** from the date of award of the doctoral degree to September 10th 2025 (call deadline),
- ✓ Must **NOT have resided or carried out their main research activity in France for more than 12 months in the 36 months immediately before the call deadline** (September 10th 2025)
- ✓ Can be of **any nationality**,
- ✓ Should have a good track record.

→ **Researchers who are refugees in an EU Member State or Horizon Europe Associated Country according to the Geneva Convention may also apply to Postdoctoral Fellowships, irrespective of whether they are long-term residents or not, if they fulfil the other eligibility conditions.**

How to proceed to become a MSCA-PF candidate? :

1. Check the description of ICGM in this offer and on the lab dedicated webpage:
<https://www.icgm.fr/>
2. If the research topics fit your profile or is complementary with your expertise, please, send the following documents to Florian Jaroschik and **contact before April 30th**:
 - ✓ Your CV,
 - ✓ Your researcher ID,
 - ✓ A link to your webpage (if any),
 - ✓ Your scientific project for the MSCA PF application: one page description.
3. The supervisor will proceed to the selection of the candidate and will get back to you regarding the selection by May 2nd at the latest.
4. **If you are selected, you will benefit from the administrative and technical support from CNRS EU Grant Office on how to write the application and proposal review and of an online Master Class between 12 and 15 May 2025**
5. The application should be written jointly by the candidate and the supervisor. It is a ten pages document that describes your scientific project (objectives, methodology), the quality of the supervision, the expected impacts of the project and the way it will be implemented.
6. For more information on salary, working conditions, etc. : [MSCA Postdoctoral Fellowships](#)