

Laboratoire d'Innovation Thérapeutique - UMR 7200

<http://medchem.unistra.fr>

CNRS, Université de Strasbourg, Faculté de Pharmacie

74, route du Rhin, 67401 Illkirch



### Post-doctoral position in organic chemistry

**The post-doctoral position is funded for 18 months by the ANR (French National Research Agency).**

**Provisional start date: 01/04/2023**

Olefin metathesis is a pivotal transformation in organic chemistry, with numerous applications both in academic research and industrial processes. The key transformation relies on metal-carbene complexes. Yet, many of the metals required for this purpose are critical raw materials due to the high demand but limited stock. Other issues of metal-carbene complexes are the robustness of the catalyst and the contamination of end products by metal residues. While efforts are currently directed towards the development of catalysts based on first-row transition metal complexes, the search for non-metal alternatives has been almost completely overlooked, with only a handful of papers. This project aims to develop main-group element-based catalysts for olefin metathesis.

The activities of the recruited person will consist of defining and optimizing synthetic protocols, carry out the characterization of the products, write reports, participate to draft manuscripts, and will give oral presentations in group seminars and in scientific events.

The project funded by the ANR will be carried out in collaboration between three partners from two French universities: Dr. Armen PANOSSIAN (PI of the project, LIMA, UMR 7042, University of Strasbourg), Dr. Mihaela GULEA (LIT, UMR 7200, University of Strasbourg), and Dr. Tsuyoshi KATO (LHFA, UMR 5069, LHFA, UMR 5069, University of Toulouse III).

The postdoctoral fellow will join the SOMHet team (Metal-mediated Organic Synthesis and Heterochemistry; <http://medchem.unistra.fr/synthese-organique-metallo-induite-et-heterochimie-somhet/>) headed by Dr. Mihaela GULEA, at the "Laboratoire d'Innovation Thérapeutique" (LIT, UMR 7200), Faculty of Pharmacy, in Strasbourg (France).

**Offer Requirements:** We are looking for a talented, creative candidate, highly motivated by research, having a good team-spirit. Experience in catalysis and heterochemistry will be highly appreciated. He/she must be able to communicate fluently in French and/or English.

**Eligibility criteria:** PhD degree in organic chemistry with not more than 1 year of experience after the thesis defense: Recognized Researcher (R2)

**Selection process:** Candidates should send a CV, a scientific track record, a brief motivation letter and 2 recommendations letters.

**Contact:** Mihaela GULEA, [gulea@unistra.fr](mailto:gulea@unistra.fr)

**Application deadline:** January 30, 2023

The offer is also available on <https://euraxess.ec.europa.eu> (EURAXESS offer ID: 868134).