



## Job offer: Full Professor Position in Organometallic Chemistry

University of Lorraine, Metz, France

Starting date: September 2024

### Scientific context of the research.

Metal-promoted synthetic methods for C-C bond formation are undoubtedly the keystone of chemical and pharmaceutical industry. In this context, the extensive use of rare and expensive metals such as those of the platinum-group becomes a major issue in terms of cost, toxicity, environmental impact and recent geopolitical considerations. Consequently, it is more and more urgent to find appealing alternatives to trivial noble metal-based synthetic methods that are still essential to industry. To this end, the Lorraine Laboratory of Molecular Chemistry develops synthetic methodologies based on the use of post-transition and s-block metals (<http://www.l2cm.univ-lorraine.fr/l2cm/>). Modern green chemical principles (step economy, eco-compatible sequences) to efficiently access polyfunctional scaffolds from simple starting materials are considered.

### Profile of the candidate.

**Research.** The future Professor will be responsible for developing, within the L2CM laboratory, a new topic focused on organometallic chemistry with applications in molecular chemistry, whether of methodological and/or synthetic type. This topic should be pursued by integrating the challenges of sustainable development and modern green chemistry and/or by favoring the use of abundant metals or metalloids. This profile covers a broad range of thematic areas, including, for example, one-pot organic synthesis, homogeneous/heterogeneous catalysis, or photo-redox catalysis.

In addition to scientific excellence, the future professor should be proactive in securing research funds, creating and leading a research team, and developing significant collaborations at the national and international levels. Application submissions must include a research proposal (4 pages), as well as the name of at least 3 French or international references.

*Contact:* Andreea Pasc, Director of L2CM ([andreea.pasc@univ-lorraine.fr](mailto:andreea.pasc@univ-lorraine.fr))

**Teaching.** The recruited professor will join the Chemistry Department at the UFR Sciences Fondamentales et Appliquées (SciFA) in Metz. She/he must demonstrate proven experience in teaching organic chemistry. The teaching responsibilities, including lectures (CM), tutorials (TD), and practical work (TP), may cover all three levels of the Bachelor's degree (L1 (PC, SV), L2, and L3 in chemistry) and the Master's degree (M1 in chemistry and M2 in Sustainable Chemistry and Environment).

*Contact:* Michèle Sindt, Director of the Chemistry Department ([michele.sindt@univ-lorraine.fr](mailto:michele.sindt@univ-lorraine.fr))

### How to apply.

Application will be opened on Galaxie from February 22<sup>nd</sup>, 10 am to March 29<sup>th</sup>, 2024 at 4pm.

<https://www.galaxie.enseignementsup-recherche.gouv.fr/ensup/candidats.html>

**Specific requirements/Qualification.** Assistant Professors with a permanent position are exempt from the qualification requirement (note that obtaining 'Habilitation à diriger des recherches' - HDR - remains mandatory). However, for all other candidates, qualification is mandatory.

**Exemptions from qualification.** International Recruitment: Candidates who are currently or have ceased to hold a position as a teacher-researcher, at a level equivalent to the position being applied for, in a higher education institution in a country other than France, are exempt from qualification listing, subject to providing supporting documentation.

For more information <https://www.univ-lorraine.fr/travailler-a-l-ul/wp-content/uploads/sites/13/2023/03/Piece-a-joindre-au-dossier-de-candidature-1.pdf>