

Hier
entsteht
Zukunft!



UNIVERSITÄT
DES
SAARLANDES

Foto: Oliver Dietze

Saarland University is a campus university that is internationally recognized for its strong research programmes. Fostering young academic talent and creating ideal conditions for teaching and research are a core part of the university's mission. As part of the University of the Greater Region, Saarland University enables students and staff to share and exchange knowledge and ideas between disciplines, between universities and across borders. With over 17,000 national and international students, studying more than a hundred different academic disciplines, Saarland University is a diverse and dynamic learning environment. [Saarland University is officially recognized as one of Germany's family-friendly higher-education institutions and with a combined workforce of more than 4,000 it is one of the largest employers in the region.]

The Inorganic and Computational Chemistry Group at the Inorganic Chemistry Department is inviting applications for the following position commencing at the earliest opportunity.

Doctoral Research Position (m/f/x)

Reference number W2777, salary in accordance with the German TV-L salary scale¹, pay grade: E13 TV- L, duration of employment: 3 years, volume of employment: 50 % of standard working time.

Workplace/Department:

The Inorganic and Computational Chemistry Group (ICCLab, <https://inorg-comp-chem.com/>) is seeking a qualified candidate for a PhD position. The project focuses on developing synthetic strategies for group 13/15 unsaturated main-group compounds and investigating their reactivity. Our group is recognised for research that combines Inorganic and Physical Chemistry, with a strong emphasis on synthesis under inert conditions.

The chemical bond is a fundamental concept in chemistry. Controlling and fine-tuning its strength, reactivity, and stability has long been a central goal, driven by the quest for a deeper understanding of structure–activity relationships. A notable example involves multiple bonded species of heavier elements, which were long-considered inaccessible due to the relative weakness of the bond formed. However, fascinating discoveries demonstrated that these species can be stabilised using synthetic approaches based on sterically demanding substituents, providing both kinetic and thermodynamic stability.

¹ TV-L = collective agreement on remuneration of public sector employees in the German *Länder*

The pay grade assigned to an employee depends on their professional qualifications and the number of years of service. Each pay grade is further subdivided into levels. Entry-level employees with no previous experience will initially be assigned a level 1 rating. After one year at level 1 of the E10 pay grade, an employee will move up to level 2. After a further two years, the employee will move to level 3, etc.

In this project, we aim to design compounds featuring unsaturated group 13 and group 15 bonds, stabilised by ligands with tunable steric and electronic properties. Your initial role will involve synthesising these ligands/substituents with defined functionalities and stereo-electronic characteristics. Subsequently, you will explore their stabilising effects on a series of compounds and investigate their reactivity towards small molecules and unsaturated inorganic species.

The association of this PhD position the current Research Training Group (RTG <https://www.uni-saarland.de/forschen/ecm2.html>) 3082 "Engineering Covalent Bonds in Molecules and Materials (Ec=m2) will be possible, subject to approval by steering committee. Please contact Dr. Diego M. Andrada by email for further details.

Job requirements and responsibilities:

Your job will be to carry out cutting-edge research with international impact in the research fields of the RTG. You will develop your doctoral project in the following tasks:

- Planning and conducting inorganic and organic chemical synthesis
- Creative advancement of own project
- Evaluating and assessing results
- Giving oral presentation of recent results
- Writing publications of results
- Maintaining the working standards in the laboratory, and maintenance of equipment
- Supervising Internships, Bachelor and Master Students

Your academic qualifications:

- Completed scientific university studies in Chemistry /or equivalent, with a strong background in Molecular Inorganic Chemistry
- Language skills (according to GER): English C1

The successful candidate will also be expected to:

- Enthusiasm for interdisciplinary research
- Good skills in preparative inorganic/organometallic chemistry under inert conditions (Schlenk line, Glove box).
- Knowledge in standard chemical analysis (NMR, UV, etc.)
- Knowledge in computational chemistry is beneficial but not required
- Good team spirit, and affinity to work in an international environment
- German skills are an advantage but not required
- Be proficient in English for communication, both in writing and oral

What we can offer you:

- A flexible work schedule allowing you to balance work and family, among other things the possibility of teleworking
- Secure and future-oriented employment with attractive conditions
- A broad range of further education and professional development programmes (for example language courses)
- An occupational health management model with numerous attractive options, such as our university sports programme
- Supplementary pension scheme (RZVK)
- Discounted tickets on local public transport services ('Job-Ticket' of the saarVV)

We look forward to receiving your **meaningful online application** (in a PDF file, including:

- A cover letter (maximum 1 pages A4, font size 11), emphasizing your specific research interest, qualifications, and motivation to apply for this specific position
- A Curriculum Vitae with a list of publications (if there are).
- The contact details of 2-3 references.
- Academic transcripts of your education (BSc, and MSc).

by **30.01.2026** to diego.andrada@uni-saarland.de. Please include the reference number **W2777** in the subject line of the e-mail.

If you have any **questions**, please contact us for assistance. Your contact:

Herr Dr. Diego M. Andrada

Inorganic Chemistry: Inorganic and Computational Chemistry

Tel.: +49-(0)681/302-71665

Pay grade classification is based on the particular details of the position held and the extent to which the applicant meets the requirements of the pay grade within the TV-L salary scale. Part-time employment is generally possible.

If you have obtained a foreign university degree, a proof of the equivalence of this degree with a German degree by the Zentralstelle für ausländisches Bildungswesen (ZAB) is needed before hiring. If necessary, please apply for this in time. You can find more information at <https://www.kmk.org/zeugnisbewertung>.

Unfortunately, neither costs for attending an interview at Saarland University nor costs for any certificate evaluation by the ZAB can be reimbursed in principle.

We welcome applications regardless of gender, nationality, ethnic and social origin, religion/belief, disability, age, and sexual orientation and identity. In accordance with its policy of increasing the proportion of women, the University actively encourages applications from women. Applications from severely disabled persons will be given preferential consideration in the event of equal suitability.

When you submit a job application to Saarland University you will be transmitting personal data. [Please refer to our privacy notice for information on how we collect and process personal data in accordance with Art. 13 of the Datenschutz-Grundverordnung](#). By submitting your application you confirm that you have taken note of the information in the Saarland University privacy notice.