



UNIVERSITÄT  
DES  
SAARLANDES

The School of Chemistry, Department of Inorganic Chemistry of Saarland University, Dr. Diego Andrada, we offer for a period of 12 months position (100% of regular working hours).

## Inorganic and Computational Chemistry Research Group Postdoctoral Researcher

The starting date is negotiable. The position will be filled in a period of 12 months with possibility of an extension. Salary and benefits are according to a public service position in Germany (TV-L), pay scale E 13.

Tasks include scientific services in research, teaching and support internships as well as the handling of a particular research project in the workgroup of Dr. Diego Andrada. The group of Andrada is interested in the design of innovative inorganic molecules by the use of experimental and computational chemistry tools in tandem. The selected candidate will join a young group and will have the opportunity of participating in the development of novel approaches for main group chemistry with potential application in the manufacture of semiconductors. The project will involve collaborations and it is related to the ERC Starting Grant (805113).

The candidate must hold a PhD degree in chemistry or in physics. A strong background in the theoretical aspects of the reactivity and stability of organic, inorganic and organometallic systems is requested. In particular, experience with the use of modern computational methods to describe and understand chemical concepts such as non-covalent interactions, conjugation, hyperconjugation, and different chemical bonding models is requested. It is expected experience in the application of the quantum chemical packages Turbomole, ADF, Orca, Molpro, and Gaussian. Additionally, programming knowledge in the languages Python, Fortran, C or C ++ is highly desirable. Our interdisciplinary and international group has a strong team spirit, which will also be expected from the candidate.

We support women and particularly invite them to apply. In areas in which women are underrepresented, women will be preferred in case of equal qualifications. Applicants with children are welcome. A reduction of working hours is possible.

Application or inquiries should be sent by e-mail to [diego.andrada@uni-saarland.de](mailto:diego.andrada@uni-saarland.de) with the following information:

- 1- Motivation Letter
- 2- Curriculum Vitae
- 3- Contact details of two references