



You are looking for an employer you can count on? Join us!

Expert (m/f/d) in High Performance and Parallel Computing for Life Science and Chemistry HPC Applications

Your Role and Responsibilities:

- Install, maintain and support key community and commercial codes from life sciences and quantum chemistry.
- Support large-scale compute projects running on LRZ's TIER0 systems.
- Keep contact with the local, Bavarian, and German user communities
- Conduct/organize tutorials and workshops for the life science communities
- Support porting and optimization efforts of user codes.

Basic Qualifications:

- PhD or university (post) graduate degree, diploma, master's degree or equivalent in a scientifically oriented subject (computational science, physics, mathematics, chemistry, life sciences etc.).
- Programming skills in a higher-order programming language (C, C++, Fortran) and at least one scripting language (Python, R, Julia, etc.).
- Experience in Parallel Programming (i.e. MPI, OpenMP, Cuda) and performance analysis, libraries and tools.
- Knowledge of workflow managers in life science / chemistry (fireworks, radical cybertools, QCG-PilotJob etc.).
- Knowledge of HPC environments and system software, e.g. spack package manager.
- Experience with HPC applications in the field of molecular mechanics or quantum chemistry.
- Good oral presentation and writing skills in German or English.

Area	Computational X Support
Working time	full time (40,1 Std) flexible working model with electronic time recording
Term of the contract	24 months, a further employment is intended
Remuneration	possible until E 13, see Entgeltabelle TV-L
Annual leave / compensatory time off	30 days (24.12. + 31.12. additionally day off) Overtime is compensated by additional time off

Further trainings	Individual support for in-service training and further education
Benefits	e.g. home office option, public transport discount (job ticket), bus and subway (U6) on the doorstep, free parking, pension plan of the Versorgungsanstalt des Bundes und der Länder (VBL), state-of-the-art work equipment

What can you find with us?

Are you looking for a multifaceted and intellectually stimulating position in a dynamic, cooperative and innovative work environment? Then LRZ is the place to be for you! Here at LRZ a collegial, appreciative work environment meets an international crowd of experts who work together to advance IT services for ground-breaking research. We offer flexible work schemes for an optimal work-life balance. Our staff values their creative leeway. As an institute of the Bavarian Academy of Sciences and Humanities we offer all the benefits of public service. And of course, no wishes remain unfulfilled at the LRZ in terms of technical equipment. We actively promote diversity and welcome applications from talented individuals, regardless of cultural background, nationality, ethnicity, gender and sexual identity, physical abilities, religion and age. We give priority to applications from people with disabilities who are equally qualified (SGB IX).

The LRZ in a nutshell:

Since 1962, Bavarian universities and research institutions have relied on the IT expertise of the Leibniz Supercomputing Centre. When it comes to the digitisation of science, we are traditionally ahead of the game.

You can count on us! Can we count on you?

We are looking forward to receiving your complete application documents (including cover letter, CV and certificates) in a single PDF file via e-mail (other file types are not accepted) by latest **04.04.2022**:

E-Mail: jobs@lrz.de

Subject: **BIO&Chemistry (2022/16)**

Are you unsure whether the job suits you or you suit us? Or do you still have questions about this position? Our colleagues will be happy to answer all your questions at the above e-mail address.

This job does not fit? Then take a look at <https://www.lrz.de/wir/stellen/> or send us an unsolicited application!

[Here](#) you will find information about the collection of personal data during the application process.