The Chair of Theoretical Chemistry II of the Faculty of Chemistry and Biochemistry is looking for

**Research Associates (m,f,x) for 2 years, 39,83 hours per week, TVL E13**

The group of Prof. Jörg Behler at the Research Center Chemical Science and Sustainability of the Research Alliance Ruhr offers as soon as possible fulltime positions for Research Associates.

Applications are invited for Postdoctoral Research Associate positions (2 years, 39.83 h/week, payment according to public service’s salary agreement: TVL E13), which are available immediately or upon mutual agreement.

**Your tasks:**
- We are a leading group in the development of machine learning potentials and their application to various topics in chemistry and materials science. The projects will involve the development and implementation of advanced methods to represent high-dimensional potential energy surfaces employing neural networks. Moreover, atomistic simulations of various systems like complex materials, interfaces or chemistry in solution will be performed. The newly established Research Center Chemical Sciences and Sustainability offers an exciting interdisciplinary research environment with state-of-the-art equipment and excellent working conditions. There are several openings for which consideration of candidates will begin immediately and end when suitable candidates have been found.

**Your profile:**
- You have a PhD in computational/theoretical chemistry, physics, materials science or a related field and excellent communication skills in English. The ideal candidate will also have experience in electronic...
structure calculations (preferably density functional theory), atomistic simulation techniques like molecular dynamics or Monte Carlo, and programming skills in Python and/or Fortran. Experience in machine learning and in particular in the development and use of machine learning potentials is desirable but not essential.

Our offerings:

- Challenging and varied tasks with a high degree of personal responsibility
- Team-oriented cooperation in a committed, international and appreciative team
- A modern equipped workplace
- Fair and flexible working hours
- Other social benefits according to TV-L

Additional information:

At the request of the applicant (m,f,x), the staff council may be involved in selection interviews.

If the position is funded by third-party funds the employee has no teaching obligation.

Contact details for your application:

Prof. Jörg Behler, Phone: +49234 32 26485

Travel expenses for interviews cannot be refunded.


ANR: 1261 until 31.10.2023

Candidates should send a detailed resume including an outline of their research expertise and achievements in relation to the aforementioned topics together with the usual material (CV, certificates and transcripts, names of academic references) as a single pdf file via e-mail to joerg.behler@ruhr-uni-bochum.de.