Batteries move our world and are ubiquitous and are the heart of energy storage systems, providing solutions for wide variety of applications. The Helmholtz Institute Münster for Ionics in Energy Storage (IEK-12) as part of the Institute of Energy and Climate Research focuses on electrolyte research as a key area for future battery concepts. Major research activities comprise the design, synthesis, characterization and processing of more sophisticated battery electrolytes and chemistries. Our institute operates as a branch office of Forschungszentrum Jülich in close cooperation with the University of Münster and RWTH Aachen University, in this way fostering joint research efforts while promoting this important forward-looking field of electrochemical energy storage.

We are looking to recruit a

**Research Associate for the Development of Advanced Electrolytes for High-Energy and Safe Lithium-Based Battery Applications**

**Your Job:**
Join a company funded research project to develop new battery chemistries and expand functionalities of current battery technologies to achieve next-generation, eco-friendly and safe batteries. Your tasks in detail:

- You are involved in the identification and development of novel electrolyte components for nonaqueous aprotic lithium-based battery electrolytes
- You will characterize relevant properties of electrolytes in lithium-based cells by complementary methods
- You will investigate electrolyte/electrode interfaces and interphases and their impact on the overall performance and safety of lithium-based batteries and their chemistry
- Cooperation with industry partners to discuss and evaluate challenges and limitations

We look forward to receiving your application until 29.05.2022 via our Online-Recruitment-System!

Questions about the vacancy?
Get in touch with us by using our contact form.
Please note that for technical reasons we cannot accept applications via email.
www.fz-juelich.de
• You will participate in regular project meetings with the involved partners from industry and research
• You will contribute to regular progress reports

Your Profile:
• Completed Master’s degree and PhD in chemistry, materials science or a comparable field of study
• Background knowledge and documented interest in the fields of electrochemistry and organic synthesis
• Fluent language skills in spoken and written English, at least a beginner level of proficiency in German is preferred
• Strong cooperation and communication skills required for internal and external project partners, including business trips
• Structured, targeted and independent way of working
• Ability to contribute in an international and interdisciplinary team

Our Offer:
We work on the very latest issues that impact our society and are offering you the chance to actively help in shaping the change! We support you in your work with:
• An excellent environment to perform high-quality research at international level
• Participation at national and international conferences and project meetings
• Opportunity to expand industry-relevant knowledge of battery chemistry development
• Optimal conditions for work-life balance as well as a family-conscious corporate policy
• A full-time position with the option of slightly reduced working hours
• 30 days of annual leave and provision for days off between public holidays and weekends (e.g. between Christmas and New Year)
• Targeted services for international employees, e.g. through our International Advisory Service

We offer you an exciting and varied role in an international and interdisciplinary working environment. The position is initially fixed until 31.05.2025. Salary and social benefits in conformity with the provisions of the Collective Agreement for the Civil Service (TVöD).

Place of employment: Münster

We welcome applications from people with diverse backgrounds, e.g. in terms of age, gender, disability, sexual orientation / identity, and social, ethnic and religious origin. A diverse and inclusive working environment with equal opportunities in which everyone can realize their potential is important to us.