

## External Job Announcement Reg.-Nr. 5-3152/24-D

The Martin Luther University Halle-Wittenberg, Faculty of Natural Sciences II, Institute of Chemistry, offers the following position starting at the earliest opportunity and limited for three years.

### Research Scientist (m-w-d)

The salary will be up to 100% Entgeltgruppe 13 TV-L, if the personal requirements and tasks are fulfilled.

#### Tasks:

- Collaboration in the network research project „Einfluss unterschiedlicher Metall-Legierungen auf Langzeitstabilität und Degradation hierarchischer Lithiumbatterieanoden“ („Effect of different metal alloys on the long-term stability and degradation of hierarchical lithium battery anodes“) (EMELI-Bat)
- Fabrication of oxide-based solid state electrolytes by InkJet-printing or spin-coating
- Performing of flash-lamb sintering
- Deposition of Si-based anodes
- Comprehensive characterization of the samples for instance via transition and adhesion analysis, investigation of the electrolyte layers and of the interfaces cathode/electrolyte/anode via different physical and analytical methods
- Project organization, Interpretation and documentation of the results and writing of publications

#### Requirements:

- Completed scientific university degree in chemistry, physics or materials science or a related subject
- Ph.D. degree in chemistry, physics or materials science
- Experience in synthesis of complex oxides by soft-chemistry methods
- Knowledge and practical skills thin film preparation techniques like spin-coating or Ink-Jet printing
- Sound knowledge and practical skills in physical characterization methods e.g. electrical and electrochemical measurements, SEM/EDX, x-ray diffraction
- Fluency in English, good scientific communication skills and interest in interdisciplinary co-operations
- Knowledge of German is advantageous but not required

Applications from severely disabled candidates with equivalent qualifications will be given priority. Women are particularly encouraged to apply. Applicants with a degree that was not obtained at a German higher education institution must submit a Statement of Comparability for Foreign Higher Education Qualifications from the Central Office for Foreign Education (Zentralstelle für ausländisches Bildungswesen) to prove equivalence

If you have any questions please contact Prof. Dr. Stefan Ebbinghaus, Tel.: 0345 55-25870, E-Mail: [stefan.ebbinghaus@chemie.uni-halle.de](mailto:stefan.ebbinghaus@chemie.uni-halle.de).

Please send your application, quoting the reg. no. 5-3152/24-D with the usual documents (CV, certificates, letter of motivation) by 30/04/2024 to Martin Luther University Halle-Wittenberg, Institute of Chemistry, Prof. Dr. Stefan Ebbinghaus, 06099 Halle (Saale) or via email as on single PDF to [stefan.ebbinghaus@chemie.uni-halle.de](mailto:stefan.ebbinghaus@chemie.uni-halle.de).

This announcement is subject to possible budgetary restrictions.



The Martin-Luther-University Halle-Wittenberg will not reimburse application expenses. Application documents will only be returned if a prepaid return envelope has been attached. An electronic application in one single PDF file is preferred.