



UNIVERSITÄT
BAYREUTH

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BayBatt Young Investigator Group
Dr. Qingsong Wang

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Chair of Inorganic Active Materials for
Electrochemical Energy Storage
Prof. Dr. Matteo Bianchini

Web: www.bianchini.uni-bayreuth.de

The [BayBatt](#) Young Investigator Group (Dr. Qingsong Wang) at the chair of Inorganic Active Materials for Electrochemical Energy Storage (Prof. Dr. Matteo Bianchini) is offering the following position, starting in **October 2022** or soon thereafter:

PhD Student (f/m/d)

Topic: Development of novel disordered high-entropy cathode materials for Na-ion batteries

We are looking for a highly motivated PhD student (f/m/d) to work in the rapidly developing field of Na-ion batteries for the exploration of novel cathode materials.

What we offer:

- A position for three years (pay grade E13 TV-L, 50%), with possible extension.
- Access to modern advanced characterization tools.
- A unique research and qualification opportunity within a diverse and motivated team of scientists that value interdisciplinary research.
- A stimulating scientific environment with sparring partners to develop a career in battery science or engineering.
- A family-friendly working environment with flexible working hours and opportunities for professional and personal development.

Tasks as a PhD student:

- Exploration of synthesis routes: electrochemical, mechanochemical, and solid-state reaction methods.
- Material characterization and evaluation of electrochemical performance using prototype cells.
- Writing project reports and publications.
- Presentation of scientific results.

Your profile:

- M. Sc. in inorganic/physical chemistry, material science, or a related field.
- Knowledge of batteries and electrochemistry is beneficial.
- Fluency in English reading, writing, and speaking/presenting.
- Very good communication and teamwork skills.

The University of Bayreuth values the diversity of its employees and is expressly committed to the goal of gender equality. Women are strongly encouraged to apply. Applicants with children are very welcome. The University of Bayreuth is a member of the Best Practice Network "Familie in der Hochschule e.V.", and has successfully participated in the HRK audit "Internationalization of the University". Persons with severe disabilities will be given preferential consideration if equally qualified.

Please apply online with your CV, cover letter specific to this position, and transcript of academic records by 19.09.2022 using the key word **“PhD Student BayBatt Dr. Wang”** via the **online application portal of the University of Bayreuth**. The documents will be deleted in accordance with data protection requirements once the position has been filled. If you have any questions, please contact Dr. Qingsong Wang (qingsong.wang@uni-bayreuth.de).