Job posting

**Type of position**
- [x] scientific
- [ ] administrative

**Target group**
- [x] graduates
- [ ] post docs
- [ ] other

**Title**
Scientific Staff (prae doc) at the Department of Inorganic Chemistry - Functional Materials, Faculty of Chemistry, University Vienna

**Institution**

**Position**
Scientific Staff (prae doc) at the Department of Inorganic Chemistry - Functional Materials

Reference number: 12979

The Metallic Systems group at the Department of Inorganic Chemistry - Functional Materials is a small, very dedicated team of 5 - 8 members. The research work is mainly experimental in the field of structure and thermochemistry of battery materials as well as thermal characterization of test cells. This position involves the preparation of a doctoral thesis. The position is advertised for 3 years, starting with a contract duration of 1.5 years which will automatically be extended to a duration of 3 years, unless the employer does submit a nonextension notification after 12 months.

Duration of employment: 3 years
Extent of Employment: 30 hours/week
Job grading in accordance with collective bargaining agreement: §48 VwGr. B1 Grundstufe (praedoc) with relevant work experience determining the assignment to a particular salary grade.

**Responsibilities**
This position will be staffed within the framework of an FFG consortium project "Modeling and Development of Silicon - Tin Sulfide Composite Anodes for Generation 3b Lithium-Ion Batteries" for three years. In cooperation with well-known organizations such as AIT, AVL-List and others, tin sulfide/silicon anode materials will be synthesized, experimentally investigated and modeled. Materials, half and full cells are to be thermochemically characterized in our working group. Accuracy, keen interest in the subject matter as well as team spirit are required.
Participation in research, teaching and administration:
- Participation in research projects / research studies
- Participation in publications / academic articles / presentations
We expect the successful candidate to sign a doctoral thesis agreement within 12-18 months.
- Participation in teaching and independent teaching of courses as defined by the collective agreement
- Supervision of students
- Involvement in the organisation of meetings, conferences, symposiums
- Involvement in the department administration as well as in teaching and research administration

Requirements
A degree in chemistry or materials science, experience in synthesis and characterization of inorganic materials, interest in research, willingness and ability to work in a team.
Experience in the synthesis of inorganic materials and their thermodynamic characterization. Experience with experimental methods such as calorimetry, X-ray structure analysis, thermal analysis (DTA, DSC, TG) and phase diagrams.

Research fields:
Main research field: Chemistry
Special research fields: Materials chemistry
Importance: must

Education:
Educational institution: University
Educational level: Chemistry
Special subject: Inorganic chemistry
Importance: should

Languages:
English:
Language level: Very good knowledge
Importance: must
German:
Language level: Good knowledge
Importance: should

Computer-Skills:
Type of computer skills: Basic Knowledge
Specified computer skills: Origin
Importance: should

Application procedure (deadline etc.)
Applications including a letter of motivation (German or English) should be submitted via the Job Center to the University of Vienna (http://jobcenter.univie.ac.at) no later than 06.04.2022, mentioning reference number 12979.

The University pursues a non-discriminatory employment policy and values equal opportunities, as well as diversity (http://diversity.univie.ac.at/). The University lays special
emphasis on increasing the number of women in senior and in academic positions. Given equal qualifications, preference will be given to female applicants.

Human Resources and Gender Equality of the University of Vienna
Reference number: 12979
E-Mail: jobcenter@univie.ac.at
Privacy Policy of the University of Vienna

Contact
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