OeAW - Discovering the future

As a central non-university institution for science and research, the Austrian Academy of Sciences - OeAW has the task of "promoting science in every respect". Founded in 1847 as a learned society, it now has over 760 members and around 1,800 employees dedicated to innovative basic research, interdisciplinary knowledge exchange and the dissemination of new insights. The OeAW initiates and maintains partnerships worldwide and represents Austria in international scientific organizations; it cooperates with numerous institutions in the scientific field in order to actively shape the research landscape.

Postdoctorand f/m/d

Job ID: ESI119PD225

The Erich Schmid Institute of Materials Science of the Austrian Academy of Sciences (ÖAW), Austria's leading non-university research and science institution, is offering a Position as

Post Doc (F*M*D) (40 hours per week)

in Leoben

Your Tasks

The experimental focus lies on a complementary approach of compression testing and high-pressure torsion deformation. The experiments are performed on hydrogen pre-charged, nanostructured metals and require analysis of their trapping and diffusion behavior. The tasks specifically include hydrogen charging, high-pressure torsion deformation, mechanical testing, structural characterization by advanced electron microscopy and site-specific sample preparation by focused ion beam. Experimental findings are to be analyzed in relation to newest insights in a very dynamic scientific field.

The successful candidate will be part of a young and motivated team, working closely with colleagues within the institute and academic partners. The candidate is expected to present the findings at international conferences and publish the results in top international journals.

Your Profile

- PhD in Materials Sciences, Physics or equivalent
- Prior experience with high-pressure torsion, mechanical testing, scanning electron microscopy, focused ion beam milling
- Background in hydrogen research is highly appreciated
- Interest in learning new experimental techniques and out-of-the-box thinking
- Excellent communication skills in spoken and written English
- We are seeking independent, responsible and team-oriented candidates

Our Offer

We offer an international, ambitious environment for basic research-oriented candidates who want to perform cutting-edge research with open access to world-class synthesis and characterization facilities. We have a friendly and dynamic research environment and strong collaborations with many international academic partners.

The appointment begins as at the earliest possible date (ca. January 2026). Gross salary will € 4.930,60 according to the standard salaries for FWF projects for 40 hours per week (14 times a year, before taxes).

Please send your application including a motivation letter and an academic CV no later than September 31, 2025. Evaluation of candidates will begin immediately and will continue until the position is filled. Please note that only complete applications will be processed.

JETZT BEWERBEN

The Austrian Academy of Sciences (OeAW) pursues a non-discriminatory employment policy and values equal opportunities, as well as diversity. Individuals from underrepresented groups are particularly encouraged to apply.

Contact

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