



## 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.



## Postdoc (f/m/x)

Job ID: ESI151PD125

Located in Leoben, 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

**Postdoc (f/m/x)**

**(40 hours per week)**

with an emphasis on transmission electron microscopy (TEM) and Focused Ion Beam (Ga and Xe FIB) sample preparation. Academy Scientists (Post-docs) generally work to the specifications of advanced scientists at the institute, are involved in long-term research projects, and/or work closely with technicians in interface functions. They bring their scientific qualifications with in-depth understanding of methods and, if necessary, expand this with regard to the specific research needs of the institute.

## Your Tasks

- The successful candidate will be part of an international team whose research activities focus on the in-depth microstructure and chemical characterization of various material systems using TEM and FIB-based methods.
- Assist training new users on the TEM and FIB instruments and related methods (4D-STEM, cryo-preparation, in-situ testing, etc.), trouble-shooting problems that arise upon operation of the microscopes, develop new experimental setups based on scientific needs and lead instrument maintenance.
- Involvement in the writing of new proposals that facilitate equipment within your responsibility and support users when necessary.
- Enhance your scientific career and the international standing of the institute, including dissemination in highly respected journals and participation in international conferences.

## Your Profile

- PhD in Materials Sciences, Physics or equivalent, and minimum 3-years research position in similar field.
- Minimum 2-year experience with TEMs and FIB workstations. Experience with JEOL TEMs and Thermo-Fischer Xe-FIBs considered a plus.
- Expertise with FIB-lift out TEM preparation methods; knowledge of cryo-workflows for air-sensitive materials.
- Experience with EDS and SIMS considered a plus.

- We are seeking independent, innovative, responsible and team-oriented candidates.
- Excellent communication skills in spoken and written English and German are mandatory.

## Our Offer

We offer an international, ambitious environment for basic research-oriented candidates who want to perform cutting-edge research with 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 at the earliest possible date (Feb/Mar 2026) and last for at least two (2) years. Gross salary will be Grade W3/1 according to the scale of the Austrian Academy of Sciences, which is 4.930,60 Euro per month (full time based, before taxes), paid 14 times a year.

Please send a motivation letter, a 2-page CV, and list of the 10 most important publications, no later than December 15, 2025. The motivation letter (no longer than 2 pages) **MUST** include two references and address all of the above points (Your Tasks and Your Profile) in some form.

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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