

Job ID: ESI156JGL121

The Erich Schmid Institute of Materials Science ([ESI](#)) of the Austrian Academy of Sciences ([OeAW](#)), Austria's leading non-university research and science institution, is offering a position as

## JUNIOR GROUP LEADER (F\*M)

(full-time, 40 hours per week)

with an emphasis on **Functional Materials and Sustainable Energy Systems** including physical-chemistry synthesis and relevant characterization methods. Junior Group Leaders are expected to apply for project- and person-related third-party funding, take responsibility on the management of third-party funded projects, are embedded in the international research community and actively **cooperating in international and cross-institutional projects**, publish in peer reviewed journals and **organize international workshops and conference sessions**.

### Your tasks

- The successful candidate will be to collaboratively strengthen an internationally recognized team of researchers, whose research activities focus on cutting edge research in 1) severe plastic deformation, 2) micro- and nanostructure characterization, 3) micro- and nanomechanics, 4) complex materials including thin films and multicomponent alloys, as well as 5) deformation, fracture, and fatigue of the respective structures.
- Take responsibility for maintaining, financing, training and supporting new users on the current and future instrumentation.
- Be involved in day-to-day administration tasks, such as reporting, institute promotion, billing, organizing internal workshops and seminars that benefit ESI.
- Enhance your scientific career and the international recognition of the institute through acquiring fundamental and applied research grants, organization of international workshops and conference sessions, dissemination of results in highly respected journals, and participation in international conferences.

### Your profile

- PhD in Materials Sciences, Physics, Chemistry, or equivalent, and minimum 3-years in Post-doctoral research position in a similar field. Practical experience and industry contacts are considered a plus.
- Detailed knowledge of thin film deposition (electrochemical, sputter, evaporation, etc.) processes onto various materials (metals, ceramics, and/or polymers) and topologies, as well as experience in surface characterization techniques.
- Expand the institute's research profile into energy applications, including but not limited to: hydrogen storage, fuel cells, and battery research.
- International recognition within your field of expertise, documented by invited presentations, awards received, or highly sought-after funding (for example, the PI of an ERC grant).
- Extensive experience working in teams and the ability to conduct independent scientific work, including securing fundamental and industrially funded projects, and related dissemination activities.
- The candidate should have experience supervising students (undergraduate or graduate) and the ability to plan short- and long-term research projects.
- Excellent communication skills in spoken and written English and German are mandatory.

The appointment could begin as early as July 01, 2022 and initially lasts for 6 years with the possibility of a tenure option. Tenure is only granted after successful evaluation of scientific achievements and institute service. We offer an annual gross salary of € 60.734,80 80 according to the collective agreement of the Austrian Academy of Sciences (OeAW).

To apply, send 1) a max. 2-page motivation letter, 2) a 2-page CV that includes a list of the 5 most important publications, 3) certificates of PhD and language proficiency, 4) a 2-page research statement outlining your research plan to integrate the position within ESI's existing staff and research strengths, via email to [daniela.brunner@oeaw.ac.at](mailto:daniela.brunner@oeaw.ac.at), email mentioning Job ID: ESI156JGL121, **no later than February 01, 2022**.

The motivation letter **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.

Inquiries about the position should be directed to Deputy Director, Dr. Megan Cordill (via email only: [megan.cordill@oeaw.ac.at](mailto:megan.cordill@oeaw.ac.at)). More information about the institute can be found at: <https://www.oeaw.ac.at/esi/>

*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.*