

Job ID: ESI157JGL121

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 emphasis on **Digital Materials Design** through material behavior simulations, Big Data, machine learning and artificial intelligence methods. Junior Group Leaders 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 part of an internationally recognized team of researchers whose as cutting-edge research activities focus on 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 these sophisticated materials.
- Take responsibility for maintaining, financing, training and supporting new users on the current and future computing infrastructure.
- Are involved in daily administration tasks, such as report writing, institute promotion, billing, organizing internal workshops and seminars that benefit ESI.
- Enhance your scientific career and the international standing of the institute, through the acquiring of competitive third-party funding, organization of international workshops and conference sessions, dissemination in highly respected journals, and recognition in international conferences.

Your profile

- PhD in Materials Sciences, Physics, Mechanical Engineering, or equivalent, and minimum 3-years in Post-doctoral research position in a similar field. Practical experience and industry contacts are considered a plus.
- Extensive experience with multi-scale material modeling to support current and future research activities at the institute.
- Experience linking modeling with experiments considered highly advantageous.
- Expand the institute's research profile into machine learning, artificial intelligence and Big Data methods.
- 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 publication activities.
- The candidate should have some 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 € 54.661,32 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, mentioning Job ID ESI157JGL121, **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). 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.