

INM is an internationally leading center for interdisciplinary research on hybrid materials, and their exploitation in materials-based solutions for a sustainable world with increasing digitalization and medical needs. Our research integrates materials chemistry, biological processes, physical analysis, and process engineering. We aim for leadership in the fields of opto-interactive, electro-integrative and bio-intelligent material systems. In these areas, we actively seize opportunities to transfer our scientific results into materials-driven innovation.

The engineering of hybrid materials requires understanding of interfacial phenomena through in-depth characterization of the physicochemical properties of interfaces at different length scales and in-operando conditions. Electron Microscopy provides high-resolution structural and compositional analysis of our materials, and is pivotal in supporting cutting-edge research at the institute.

We seek a highly motivated specialist as

Electron Microscopy Facility Manager (f/m/d, full or part time work)

We are looking for senior candidates that can run the electron microscopy facility immediately or after a short orientation phase as well as postdoctoral researchers aiming to develop career profile as science support staff are welcome to apply.

The Core Facility Electron Microscopy is integrated within the Research Department Innovative Electron Microscopy and provides electron microscopy service to the whole institute.

Your tasks

As a Facility Manager, you will work on a variety of the electron microscopes (SEM, ESEM, FIB, TEM, including aberration corrected (S)TEM), providing a professional microscopy service for the INM, including training, advice, guidance to staff and performing measurements within variety of research projects undertaken by INM. This includes:

- Providing expert advising on best practice, planning, supervising and applying different electron microscopy techniques to research projects undertaken by INM.
- Training users of the EM facility (including SEM, FIB, TEM).
- Providing day-to-day maintenance of the facility.
- Actively contributing to analysis and management of the EM data. Preserving and developing a Research Data Management Plan for the facility.
- Supervising work of the technical staff at the facility
- Actively engaging in the scientific exchange with the Scientific Units at INM, as well as external academic and industrial partners.

As part of the Research Department Innovative Electron Microscopy, you will actively contribute to the development, validation and implementation of novel electron microscopy techniques for analysis of complex functional materials. Scientific publishing and presentation of research results in internal, national and international meetings is also expected.



CONTACT

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Deutschland
www.leibniz-inm.de

You have

- PhD in materials sciences, physics, chemistry or a related discipline, with a strong focus on electron microscopy.
- A proven experience in scanning/transmission electron microscopy and related spectroscopy techniques applied to functional materials. Additional experience in advance STEM-related techniques and/or cryogenic SEM/TEM in application to electron beam sensitive materials and/or biological samples, would be advantageous.
- Excellent communication and collaboration skills to work effectively in collaboration with multidisciplinary teams.
- Strong problem-solving skills, and the ability to manage multiple projects with internal and external partners.
- Fluency in English and ideally in German

We offer

- An open, stimulating, interdisciplinary, and international research environment with excellent, state-of-the-art infrastructure.
- A cooperative environment, with plenty of opportunities to contribute to joint research projects with colleagues at INM and beyond.
- An environment that welcomes participation and supports self-driven development.
- Opportunities for professional development.
- A TV-L 100% contract according to your qualification level. The contract will initially be limited for 2 years with the opportunity for a permanent contract based on transparent performance criteria.

Interested?

We look forward to your application! Please upload your CV and motivation letter by May 15th, 2025 via our online application system: <https://www.leibniz-inm.de/stellenangebote/>

For further information on this position, please contact INM Scientific Director & CEO Prof. Dr. Aránzazu del Campo (aranzazu.delcampo@leibniz-inm.de). For information on the institute, please see: <https://www.leibniz-inm.de/en/> and <https://www.leibniz-inm.de/en/research/core-facilities/physical-analytics/>

The INM practices an open and appreciative corporate culture in which the existing diversity is promoted and lived. The institute is an equal opportunity employer with a certified family-friendly policy, and it provides offers for a better work-life balance, flextime, and mobile working. We promote professional opportunities for women and strongly encourage them to apply. Severely disabled applicants with equal qualifications and aptitude will be given preferential consideration.



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