

GROUP LEADER “ADVANCED ELECTRON MICROSCOPY” (M/F/D)

The INM – Leibniz Institute for New Materials in Saarbrücken, Germany, is an internationally leading center for advanced materials research with focus on developing (bio)hybrid materials and studying phenomena at interfaces. We have state-of-the-art infrastructure for *in situ* Electron Microscopy and seek a

Group Leader in Advanced Electron Microscopy (M/F/D)

to establish a vibrant own research program and collaborate with existing scientific groups. This opening primarily targets junior scientists after their first postdoctoral stay aiming to consolidate their independent profile in the field. Senior scientists are also welcome to apply (contract conditions will be negotiated accordingly).

You should have visible academic records in advanced electron microscopy as a method developer, or/and perform high-end electron microscopy to answer actual questions in materials science. Your profile and the vision for your group should complement and extend existing expertise at INM and the Saarland University Campus. *In situ* and *in operando* methods to investigate electrochemical materials, complex interfaces or dynamic structures that form during the assembly of synthetic particles or biological entities are of special interest to INM. Close collaboration with data scientists for automated image analysis and feature extraction is desired. We expect you to be active in scientific publishing and acquisition of external funding, and to be committed to the high-level training of early career scientists.

At INM you will be part of a highly interdisciplinary and cooperative environment with outstanding infrastructure and research and scientific career development opportunities. The EM facility at INM includes: (i) a spherical aberration corrected JEOL-ARM200F with state-of-the art EELS and EDX systems for advanced chemical analysis, (ii) a JEOL JEM-2100 LaB₆ TEM for routine measurements including cryo-TEM preparation system, cryo-tomography holder and several in-situ holders for liquid-STEM and heating experiments; (iii) a FEI Quanta 250 FEG and Quanta 400 FEG for in-situ experiments and wet-STEM imaging; (iv) a FEI Versa 3D for TEM lamella preparation and FIB tomography and (v) a nanomill model 1040 and two ultramicrotomes for advanced sample preparation. An experienced facility manager manages the state-of-the art EM equipment at INM. You will have priority access to this facility and lead its further development. In addition, INM has state-of-the-art infrastructure in chemistry, electrochemistry, physical characterization and processing of materials, cell biology, microbiology and high-resolution fluorescence microscopy to which your group will have full access. INM closely cooperates with partners at the University Campus and has access to their facilities as well.



We will provide funding for your position as junior group leader, for 2 PhD students and one postdoctoral scientist. Start-up funding to set up your group and your research line and reasonable yearly funding for consumables will also be offered. The position is planned as a 5-years position. As a Leibniz Institute, the possibility for joint appointments in collaboration with Saarland University can be considered in exceptional cases (for example Emmy Noether, NanoMatFutur, or ERC grant holders).

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. Full time jobs can be generally divided. Severely disabled applicants with equal qualifications and aptitude will be given preferential consideration.

Please send your application **via e-mail as a single pdf file before 30.06.2023** to INM's CEO & Scientific Director Prof. Aránzazu del Campo (aranzazu.delcampo@leibniz-inm.de), quoting the reference "Group Leader Advanced Electron Microscopy". Your application must include a curriculum vitae, a list of publications, a two-page concept sheet on the research you intend to grow at INM, including how this complements/extends ongoing research at the institute and the Saarland Campus, and the name of 1-2 referees.



CONTACT

INM – Leibniz-Institut für
Neue Materialien gGmbH
Campus D2 2
66123 Saarbrücken Deutschland
www.leibniz-inm.de

Prof. Dr. Aránzazu del Campo
Scientific Director & CEO
aranzazu.delcampo@leibniz-inm.de

Tel: +49 681-9300-510
Fax: +49 681-9300-223