

## ▶ POSTDOC POSITION: *IN SITU* ELECTRON MICROSCOPY OF NANOMATERIALS IN LIQUID

The INM – Leibniz Institute for New Materials in Saarbrücken, Germany, is an internationally leading center for materials research. We focus on surface and interface phenomena and their exploitation in the development of innovative materials and structures. INM is a scientific partner to national and international research institutions and a provider of research and development for companies throughout the world. INM has about 250 employees and is an institute of the Leibniz Association.

The Innovative Electron Microscopy group at INM is world-leading in liquid-phase scanning transmission electron microscopy (STEM). We are looking for a scientist who will study the dynamics of nanoparticles in liquid using electron microscopy. Processes involve nanoscale movement at the solid:liquid interface for example in energy materials, and/or the self-assembly of nanostructures. The project includes developing high-speed liquid-phase STEM, and time-resolved diffraction methods. Your tasks will be to conduct exciting research, to publish papers in top journals, and to contribute to writing grants. In addition, you will supervise our electron microscopy facility including an aberration corrected TEM/STEM with electron energy loss spectroscopy (ARM200, JEOL), and environmental scanning electron microscopy (Quanta, FEI).

The successful candidate has a PhD degree in physics, materials science, or chemistry. The demonstrated ability to write high-quality scientific papers as first author is a must. A specific requirement for this position is in-depth knowledge of and practical experience with transmission electron microscopy. Hands-on experience with *in situ* electron microscopy, aberration corrected STEM, and nanomaterials are a plus. The candidate is a team player with an open mind for unconventional ideas. Experience in interdisciplinary collaboration with materials science groups is required. The ideal candidate shows a strong motivation for science and excellent writing and oral communication skills in English, and proficient communication skills in German.

INM is an equal-opportunity employer with a certified family-friendly policy. We promote the professional opportunities of women and strongly encourage them to apply. Full time jobs can be generally divided.

### Contact

Please send your application via email to the attention of Prof. Niels de Jonge including a detailed CV and at least two references along with a motivation letter no later than Oct 30, 2019. The attachment should be a single pdf-file <5 MB:  
E-mail: [diana.loeb@leibniz-inm.de](mailto:diana.loeb@leibniz-inm.de)

Reference: "Postdoc position: in situ electron microscopy of nanomaterials in liquid"

Group website: <https://www.leibniz-inm.de/en/innovative-electron-microscopy/>



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