



The Max Planck Institute for Solid State Research invites applications for a
Postdoctoral Scientist (m/f/d)
in Low Energy Electron Holography.

The Nanoscale Science Department headed by Prof. Klaus Kern develops new imaging methods based on scanning probes and coherent low energy electrons to address the structure of individual biomolecules.

The successful applicant will develop/establish advanced methods for atomic scale imaging using coherent electrons (LEEH). Taking advantage of the single molecule imaging of LEEH, the approach allows the exploration of the conformational space of flexible biomolecules following their deposition on surface via native ion beam deposition (ES-IBD) [1-3]. The interdisciplinary research effort aims to establish the LEEH + ES-IBD method as general tool for biomolecular investigation.

We are seeking an enthusiastic person, who completes and advances our group. Successful applicants should hold a PhD in Physics, Chemistry or Nanoscience, be highly self-motivated and team oriented. Strong communication and organizational skills are expected. Fluent written and spoken communication in English is essential. Prior knowledge in high resolution electron microscopy, advanced mass spectrometry or biophysics would be advantageous.

The position is a full-time position; payment and benefits are according to German TVÖD for 2 years.

Applicants are requested to send a full CV including a complete list of publications, a description of their research experience, letter of motivation, and at least 2 names of referees as a single pdf file to Dr. Luigi Malavolti (l.malavolti@fkf.mpg.de)
Applicant review will begin immediately.

[1] Xu Wu, et al., *Nature* 2020, 582, 375–378

[2] Hannah Ochner, et al., *PNAS* 2021, 118 (51) e2112651118

[3] Hannah Ochner, et al., *ACS Nano* 2022, 16, 11, 18568–18578