



MAX-PLANCK-GESELLSCHAFT

Fritz-Haber-Institut der Max-Planck-Gesellschaft

Anorganische Chemie

The Fritz-Haber-Institut (Anorganische Chemie) offers a Postdoctoral position for **operando Transmission Electron Microscopy**

Your tasks: The successful candidate will work on unravelling the local electronic and geometric structure of oxidic catalysts at highest resolution and will use different advanced, quasi *in-situ* and *in-situ* microscopic techniques. The applied analytical portfolio ranges from electron diffraction, over TEM, STEM with different detectors, to EELS/EDX. A strong collaboration with the Electronic Structure Group of the Inorganic Chemistry Department is foreseen.

The outcome of the projects will contribute to the establishment of new structure-activity correlations of heterogeneous catalysts, which will provide new insights into oxidation catalysis.

Your profile: We are looking for a highly motivated scientist with conceptual skills, who can work independently, and is able to adopt new methods quickly. Required qualifications include a PhD in chemistry, materials science, or physics. A strong proven research background in electron microscopy is mandatory. In addition, knowledge in heterogeneous catalysis is advantageous.

We offer: The postdoctoral position will be for 2 years with the option on extension. The successful candidates will work with state-of-the-art aberration corrected electron microscopes and *in-situ* equipment.

The Department of Inorganic Chemistry provides a stimulating, international research environment for attainment of advanced academic qualification. Berlin is a large, cosmopolitan and tolerant city that offers you a wide variety of culture, art, music, and outdoor opportunities.

Your application: Please mail your application documents including curriculum vitae, list of publications, a description of research interest/plan, and the names and addresses of two referees at until August 17th, 2018 to

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using the **code word “Operando TEM” in the subject heading**

The Max Planck Society aims to increase the participation of women in research. Therefore, applications by women are particularly welcome. Handicapped individuals are especially encouraged to apply. These applicants will be given priority in the case of same qualifications.