

The Max-Born-Institute for Nonlinear Optics and Short-Pulse Spectroscopy (MBI), Berlin, Germany, a non-university research institution and member of the Leibniz Association, pursues basic and applied research in ultrafast science, applying a large variety of lasers and methods of time-resolved spectroscopy and structure research.

For research within a project devoted to ultrafast structural dynamics, MBI invites applications for a position of a

Postdoctoral Research Associate (m/f/d)

to work on femtosecond x-ray diffraction of condensed matter.

Job profile:

Such research aims at elucidating ultrafast charge dynamics in solids with particular emphasis on soft modes in ferroelectrics and molecular crystals. An infrastructure of femtosecond laser-driven hard x-ray sources is available for experiments and complemented by ultrafast spectroscopic methods such as nonlinear infrared and terahertz spectroscopy, including numerical codes and software for data analysis. The work will be performed in a team of senior researchers, postdocs, and PhD students and is embedded in international collaborations.

Requirements:

PhD in physics or chemistry, experience in ultrafast optics and strong background in at least two of the following areas: solid state physics, physics of crystalline materials, x-ray physics and applications, ultrafast photochemistry, techniques of nonlinear time-resolved spectroscopy. The supervision of students at MBI is desired.

Offer:

MBI offers a 2-year appointment with a salary according to the German salary scheme for the public sector (TVöD Bund).

MBI is an equal opportunity employer and places particular emphasis on fostering career opportunities for women. Qualified women are therefore strongly encouraged to apply. If equally qualified, severely handicapped persons are given preference.

MBI supports the reconcilability of family and working life and is certified as family-friendly by the "family audit".

Please use the button "Apply online" and upload your application with a cv, a description of the research experience, publication list and - if available - recommendation electronically via the MBI online recruiting platform at <https://mbi-berlin.de/de/karriere>. The deadline for applications is **September 15, 2019**.